Human Health Risk Assessment for Blocks D, E, F, G, and H Soils Lockheed Martin Middle River Complex 2323 Eastern Boulevard Middle River, Maryland

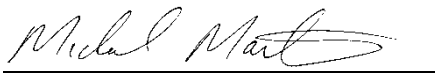
Prepared for:

Lockheed Martin Corporation

Prepared by:

Tetra Tech, Inc.

September 2012



Michael Martin, P.G.
Regional Manager



Lee Ann Sinagoga
Project Manager

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ACRONYMS

ACM	asbestos-containing material
ADAF	age-dependent adjustment factor
AST	above-ground storage tank
ASTDR	(federal) Agency for Toxic Substances and Disease Registry
ASTM	American Society for Testing and Materials
ATC	anticipated typical concentration
BaPEq	benzo(a)pyrene equivalent
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
Cal/EPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemicals of concern
COPC	chemicals of potential concern
CSM	conceptual site-model
CTE	central-tendency exposure
DAF	dilution-attenuation factor
DPT	direct-push technology
DRO	diesel-range organics
Eh	redox potential relative to the Standard Hydrogen Electrode
EM	electromagnetic
EPA	U. S. Environmental Protection Agency
EPC	exposure-point concentration
EPH	extractable petroleum hydrocarbons
ESA	environmental site assessment
EU	exposure unit
FAQ	frequently asked question
Fl/PY	fluoranthene/pyrene
FS	feasibility study
GPR	ground-penetrating radar
GPS	global positioning system
GRO	gasoline-range organics
HASP	health and safety plan

HEAST	*Health Effects Assessment Summary Tables*
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient
IEUBK	integrated exposure-uptake biokinetic
ILCR	incremental lifetime-cancer risk
IUR	inhalation-unit risk
Lockheed Martin	Lockheed Martin Corporation
MADEP	Massachusetts Department of Environmental Protection
MCL	maximum contaminant level
MDE	Maryland Department of the Environment
µg/dL	microgram(s) per deciliter
mg/kg	milligram(s) per kilogram
MRAS	Middle River Aircraft Systems
MRC	Middle River Complex
MRL	Minimal Risk Level
MS2	Mission Systems & Sensors
MSA	Martin State Airport
NPDES	National Pollutant Discharge Elimination System
OPPTS	Office of Prevention, Pesticides, and Toxic Substances
ORNL	Oak Ridge National Laboratory
OSWER	Office of Solid Waste and Emergency Response
PAHs	polycyclic aromatic-hydrocarbons
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PEF	particulate emissions factor
pH	a measure of hydrogen ion concentration
PP	polypropylene
PPRTV	Provisional Peer Reviewed Toxicity Value
PRG	preliminary remediation goal
RAGS	(USEPA) *Risk Assessment Guidance for Superfund*
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RfC	reference concentration
RfD	reference dose
RGO	Remedial goal option
RME	reasonable maximum exposure

RSL	regional screening-level
SB	surface soil
SS	subsurface soil
SDWA	Safe Drinking Water Act
SQL	sample quantitation-limit
SSL	soil-screening level
STP	sewage treatment plant
SVOC	semivolatile organic compound
TCE	trichloroethene
TEC	threshold-effects concentrations
TEF	toxicity-equivalence factor
Tetra Tech	Tetra Tech, Inc.
TRW	Technical Review Workgroup
UCL	upper confidence-limit
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compounds
VPH	volatile petroleum hydrocarbons

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Executive Summary

On behalf of Lockheed Martin Corporation, Tetra Tech, Inc. has prepared this human health risk assessment of detected concentrations of chemicals in soil at a number of tax blocks (specifically, Blocks D, E, F, G, and H) at Lockheed Martin's Middle River Complex in Middle River, Maryland. This human health risk assessment is an update to the risk evaluations in the May 2006 *Site Characterization Report* (Tetra Tech, 2006b) and is based on the environmental data presented therein as well as on the significant volume of data collected during the 2007, 2009, and 2010 investigations to further characterize the nature and extent of impacts to soil in these tax blocks. The objective of this report is to determine if the detected chemical concentrations in soil pose a significant threat to potential human receptors under current and/or future land uses. Potential risks to human receptors are estimated on the assumption that no actions will be taken to control contaminant releases.

Primary guidance sources used to prepare this report include the Maryland Department of the Environment *Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008) and *Voluntary Cleanup Program Guidance* (State of Maryland, 2006). Current guidance and reports published by U.S. Environmental Protection Agency and U.S. Environmental Protection Agency Region 3 were also considered in preparing the human health risk assessment. Risk estimates provided herein are based on analytical data collected during the following environmental investigations:

- Phase II site investigation (fall/winter 2003)
- site-wide Phase II investigation (2004)
- Phase II soil investigation (summer 2005)
- additional soil characterization (fall 2007)
- supplemental soil and storm-drain-sediment characterization (Block E fall 2008)
- final soil delineation (Blocks D, F, G, and H fall 2009)
- data gap investigation (fall 2010)

Current and potential/hypothetical future land uses suggest the following potential receptors could be exposed to impacted soils at the Middle River Complex:

- construction workers
- industrial workers
- commercial land-use receptors
- child, adolescent, and adult recreational users
- future child, adolescent, and adult residents

Consequently, cancer and non-cancer risk estimates were calculated for these receptors using reasonable maximum exposure assumptions and assuming that human exposure may occur via incidental ingestion, dermal contact, and inhalation exposure routes.

Cancer risk estimates are presented in terms of incremental lifetime-cancer risks; the non-cancer risks are presented in terms of hazard indices. The cancer and non-cancer risk estimates were interpreted using the Maryland Department of the Environment cancer risk benchmark (1×10^{-5} [i.e., a one-in-100,000 probability of developing cancer]) for cumulative risk and the U.S. Environmental Protection Agency's target cancer risk range (1×10^{-4} to 1×10^{-6}); hazard indices are evaluated using a value of 1.0 (adverse non-cancer health effects are not anticipated when the estimated hazard index is equal to or less than 1). The following chemicals of concern were identified for surface and subsurface soils in each of the tax blocks based on a comparison of the cancer and non-cancer risk estimates to the Maryland Department of the Environment risk benchmarks:

Tax block	Acreage	Risk estimates for hypothetical future full-time workers exceed risk benchmarks? (chemicals of concern[(1)])	Risk estimates for hypothetical future resident exceed risk benchmarks? (chemicals of concern[(1)])	Recommendation
Block D	12.76	No	Yes (BaPEq, As[(2)], CrVI[(3)])	MDE response action plan
Block E	15.97	Yes, (PCBs, BaPEq, 124-TCB, 123-TCB, 14-DCB)	Yes (PCBs, BaPEq, As[(2)], 124-TCB, CrVI[(3)], 14-DCB)	MDE response action plan
Block F	11.94	Yes, (BaPEq, Nap)	Yes (BaPEq, As[(2)], CrVI[(3)], Nap)	MDE response action plan
Block G	13.46	Yes, (BaPEq, As)	Yes (BaPEq, As, CrVI[(3)], Co[(4)])	MDE response action plan
Block H	7.88	Yes, (BaPEq)	Yes (BaPEq, As[(2)], CrVI[(3)])	MDE response action plan

[(1)] BaPEq (benzo(a)pyrene equivalents); arsenic (As); hexavalent chromium (CrVI); polychlorinated biphenyls (PCBs); 1,2,3-trichlorobenzene (123-TCB); 1,2,4-trichlorobenzene (124-TCB); 1,4-dichlorobenzene (14-DCB); naphthalene (Nap); cobalt (Co).

[(2)] Arsenic concentrations likely represent background concentrations.

[(3)] The limited amount of available hexavalent chromium data for the tax block soils suggests that low concentrations only (typically less than 1 mg/kg) are present. Reported concentrations do not exceed U.S. Environmental Protection Agency (USEPA) regional screening-level (RSL) for the industrial worker. Reported concentrations for by far most soil samples are also less than the USEPA RSL for the hypothetical future resident if the USEPA RSL were to be set at the 1×10^{-5} cancer risk level.

[(4)] Isolated elevated detections only.

These chemicals of concern will be further evaluated in the response action plans being prepared for the tax block soils.

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Section 1
Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this human health risk assessment (HHRA) of detected concentrations of chemicals in soil at a number of tax blocks (specifically, Blocks D, E, F, G, and H) at Lockheed Martin Corporations's Middle River Complex (MRC), Middle River, Maryland (see Figure 2-1). The human health risk assessment is an update to the risk evaluations presented in the May 2006 *Site Characterization Report* (Tetra Tech, 2006b) and is based on the environmental data presented therein as well as on data collected during the 2007, 2009, and 2010 investigations to further characterize the nature and extent of soil impacts in the tax blocks. The objective of this report is to determine if the chemical concentrations detected in soil pose a significant threat to potential human receptors under current and/or future land uses. Potential risks to human receptors are estimated on the assumption that no actions will be taken to control contaminant releases.

This report is organized as follows:

Section 1—Introduction: Presents the objective of the human health risk assessment and the report organization

Section 2—Site Overview: Briefly describes the facility, its history, and physical conditions, including each tax block. It also identifies recognized environmental conditions (RECs) in each tax block and briefly summarizes the environmental investigations to determine the nature and extent of soil contamination in the tax blocks.

Section 3—Human Health Risk Assessment General Methodology: Presents the approach and protocols used in the human health risk assessment for soil, including identification of chemicals of potential concern (COPC) in soils, exposure assessment, toxicity assessment, and characterization of risk and uncertainty. A "global" set of chemicals of potential concern for soils in the tax blocks is also presented. These chemicals of potential concern are evaluated quantitatively in the human health risk assessment.

Section 4—Risk Characterization Results: Provides the risk characterization results, recommendations, and conclusions for each tax block. Chemicals of concern (COC) for soil are identified in each tax block based on the risk characterization results. These chemicals of concern are then recommended for further evaluation in the feasibility study (FS) that will be prepared for the tax block soil.

Section 5—Uncertainty Analysis: Presents the uncertainty analysis component of the human health risk assessment, including a summary of uncertainties inherent in the risk assessment and a discussion of how they may affect the quantitative risk estimates and conclusions of the risk analysis.

Section 6—Remedial Goal Options: Presents remedial goal options (also often referred to as preliminary remediation goals [PRGs]) for the chemicals of concern.

Appendix A provides data summary tables for each tax block. Appendix B presents historical aerial photographs from 1938–2005. Appendix C presents Maryland background data for arsenic. Appendix D provides all of the detailed human health risk assessment tables, spreadsheets, and figures. Appendix E provides the location-by-location risk characterization results tables and associated maps for each tax block.

Section 2
Site Background

2.1 SITE DESCRIPTION

The Middle River Complex (MRC), part of the Chesapeake Industrial Park, is at 2323 Eastern Boulevard in Middle River, Maryland, approximately 11.5 miles northeast of downtown Baltimore. The MRC covers approximately 180 acres and consists of 12 main buildings. The property includes an active industrial area and yard, perimeter parking lots, an athletic field, a vacant concrete lot, a trailer and parts storage lot, and numerous grassy green spaces along the perimeter. Locked chain-link fences surround all exterior lots and the main industrial area. The MRC is bounded by Eastern Boulevard (Route 150) to the north, Dark Head Cove to the south, Cow Pen Creek to the west, and Martin State Airport (MSA) to the east. The location of the MRC is shown in Figure 2-1.

Lockheed Martin Corporation (Lockheed Martin) activities at the site are primarily facility and building management and maintenance. The main tenant at the site, Middle River Aircraft Systems (MRAS), a subsidiary of General Electric Company, designs, manufactures, fabricates, tests, overhauls, repairs, and maintains aeronautical structures, parts, and components for military and commercial applications. Lockheed Martin Mission Systems & Sensors—Littoral Ships & Systems (a Lockheed Martin business segment) conducts engineering activities, and fabricates, assembles, tests, and otherwise supports vertical-launch systems). A subsidiary of Lockheed Martin, Applied NanoStructured Solutions LLC, also occupies a portion of MRC, engaging in research and design of nanotechnology applications. Historically, the property has been used for aircraft and missile-launching systems design, development, and sales.

2.2 LAND USE

The MRC is an industrial facility within the broader Chesapeake Industrial Park. The area surrounding the property primarily consists of commercial, industrial, and residential establishments. Six other facilities, comprising the remainder of the Chesapeake Industrial Park,

lie adjacent to the MRC. These include Tilley Chemical Company, Inc. (a distributor of food- and pharmaceutical-chemicals for the personal care and other industries), North American Electric (an industrial and commercial electrical contractor), Johnson and Towers (a heavy-duty diesel equipment, truck, and boat repair and maintenance company), ACE Logistics (a warehouse, packaging, and shipping provider), Poly-Seal Corp. (a producer of flexible packaging for various items), Exxon (a gasoline filling station and convenience store), and the Middle River Post Office. Residential developments lie on the opposite shores of Cow Pen Creek, Dark Head Cove, and Dark Head Creek, as well as north of Eastern Boulevard (Route 150). The MRC is comprised of several tax blocks. Figure 2-2 presents the MRC tax block layout.

2.2.1 Block D

Block D, consisting of 12.76 acres, is in the southeastern portion of the MRC. Block D is bounded to the north by Dark Head Cove Road and Johnson and Towers, to the east by Wilson Point Road, MSA, and Dark Head Cove, and to the west by Former Building D (now known as Block E). Block D (along with the adjacent portion of Block F) comprises Recognized Environmental Condition (REC) #6. Limited information in the Phase I environmental site assessment (ESA), MRC records and historical aerial photographs suggests that a portion of Parking Lot No. 6 and the waterfront was backfilled between 1938 and 1949, raising the topography to its current elevations and extending the MRC's property to its current layout. During filling, a steel bulkhead was constructed and a 100-foot-wide swath of the cove along the bulkhead was proposed for dredging. Dredging was completed as planned to lower the bottom of Dark Head Cove near the shoreline to eight feet below sea level. Dredging and filling facilitated use of the creek as a anchor basin. After the shoreline was reconstructed, Parking Lot No. 6 was paved with asphalt.

No structures are known to have ever stood on this asphalt parking lot, which is today surrounded on all sides by a chain-link fence. Locked gates stand along Dark Head Cove Road, Chesapeake Park Plaza, and the Block F Waterfront Lot. Access is restricted to authorized personnel. The pavement is in poor condition, with widespread cracking and visible subsoil.

2.2.2 Block E

Block E (comprised of Block E and E Lot 3) consists of 15.97 acres in the southern portion of the MRC. Block E is bounded on the north by the industrial portion of the MRC (Block I), to the east by Parking Lot No. 6 (Block D), to the south by the Waterfront Lot (Block F), and to the west by the Tilley Chemical Company. Block E consists of the three RECs: Former Building D (REC #1), Product Pipeline (REC #2), and the Former 500,000-gallon above-ground storage tank (AST) and associated tanks (REC #3).

Former Building D (REC #1) encompasses approximately half of the Block E area. Although Building D was demolished in the early 1970s, the building's foundation and ground floor slab remain. The floor slab consists of concrete slabs with ceramic tiles overlaying the concrete in several locations, with construction or expansion joints and associated cracking between the slabs.

The Product Pipeline (REC #2) is a 1,815-foot long, 2-inch-diameter pipe running underground from the former 500,000–gallon fuel oil AST (REC #3) to the MRC's Power Plant (in Block I). The pipeline once supplied fuel oil to the Power House. It coincides with a drainage ditch running along the western and southern boundary of Block E. A small portion of the pipeline has been removed, but most of the run was abandoned in place.

The former 500,000-gallon AST and associated tanks (REC #3) were in a grassy shoulder in the southwestern portion of Block E near the Fire Pump Building. The 500,000-gallon AST was surrounded by a shallow, grassy, earthen berm. A large water tower and Fire Pump Building were adjacent to the AST. Block E is bounded on all four sides by a chain-link fence. Several unlocked interior gates stand in the northeastern corner of the unit, allowing MRC employees unrestricted access from the active industrial portion of the MRC.

2.2.3 Block F

Block F, consisting of 11.94 acres, is in the southern portion of the MRC. It is bounded to the north by the Former Building D (Block E), the Tilley Chemical Company, and North American Electric, to the east by Parking Lot No. 6 (Block D) and Dark Head Cove, to the south by Dark Head Cove, and to the west by Cow Pen Creek. Block F consists of RECs #4, #5, #6, and #13. The Boat Launch Area (REC #4) and the Former Aviation Fuel underground storage tanks (USTs) (REC #5) are primarily covered by a concrete tarmac that defines the boundary of

REC #4. The seven USTs comprising REC #5 lie under the north-central portion of the concrete tarmac. No other structures are on the site. A chain-link fence runs along the northern edge of REC #4, along Chesapeake Park Plaza, prohibiting unauthorized access to these two RECs. Access for vehicles and personnel is through a locked gate in the fence.

The concrete tarmac is composed of smaller concrete slabs in relatively good condition, with some minor cracking and potholes developing in a few locations. Grass and soil were observed in many of the slab joints. A grassy strip of land is along the southeastern edge of REC #4, separating the southeastern portion of the tarmac from a steel bulkhead along Dark Head Cove.

The Waterfront Lot portion of Block F comprises only a portion of REC #6. Parking Lot No. 6 (Block D) is also part of REC #6. Historical information obtained during the Phase I ESA suggests that the area was backfilled to raise its elevation, to facilitate construction of a bulkhead along the waterfront of Dark Head Cove. The Waterfront Lot is a well-manicured, grassy strip of land between Chesapeake Park Plaza and Dark Head Cove. It has several trees and the grass appears in good condition. A steel bulkhead bounds the unit along most of its border with Dark Head Cove.

The Former Boat Dock Area (REC #13) is an open, relatively flat, grassy parcel of land. A chain-link fence runs along Chesapeake Park Plaza, limiting unauthorized access. Neither the boundary with North American Electric nor with the Boat Launch Area (REC #4) is fenced. Vehicle and personnel access is through a locked gate along Chesapeake Park Plaza at REC #4.

The Former Boat Dock Area (REC #13) is covered with a well-maintained grass lawn, with shrubs and trees growing thickly along the Cow Pen Creek shoreline. The REC has several trees. Although no structures are currently on the site, the severely degraded remnants of several walkways, parking areas, and a few foundations are still evident.

2.2.4 Block G

Block G consists of 13.46 acres in the southwestern portion of the MRC on the southern side of Chesapeake Park Plaza. It is bounded on the north by Parking Lot No. 2 (Block H), to the east by Chesapeake Park Plaza, to the south by North American Electric, Inc., and to the west by Cow Pen Creek. Block G has two RECs identified during a historical research investigation: REC #11 (Former Sewage Treatment Plant [STP]/Wind-Tunnel Test Building/Vibration-Test Building) and

REC #12 (the southern portion of Parking Lot No. 3). The remaining portion of Parking Lot No. 3 is also included in Block G. Figure 2-2 shows the locations of the RECs and all tax blocks at the MRC.

A former STP that consisted of five structures and two USTs (the Wind-Tunnel Test Building, the Vibration-Test Building, two fuel oil USTs immediately west of the test buildings, an unidentified structure near the STP, and the Hydraulic and Fuel-Test Building) occupied the area now defined as REC #11. Except for storm-drain Outfall V and the foundations of the former test buildings, no structures now stand on REC #11. The foundations of the former STP have mostly been removed, but the footprint of the former STP is still evident in a 1986 aerial photograph, judging from variations in grass color. REC #11 is currently an open, grassy area between Chesapeake Park Plaza and Cow Pen Creek with some remnants of building slab foundations. A chain-link fence along the REC's northern and eastern perimeter prohibits unauthorized access; however, the REC is unfenced along its southern perimeter, which is shared with North American Electric, Inc. A locked gate along Chesapeake Park Plaza provides vehicle access.

Parking Lot No. 3 is a flat parcel of land currently leased for truck-trailer storage. A chain-link fence surrounding the parking lot on all sides prohibits unauthorized access. A locked gate off of Chesapeake Park Plaza allows access to the southern portion of the parking lot.

2.2.5 Block H

Block H, consisting of 7.88 acres, is in the northwestern portion of the MRC. Block H is bounded to the north by Eastern Boulevard (Route 150), to the east by the industrial portion of the MRC (Block I), to the south by Parking Lot No. 3 (Block G), and to the west by Cow Pen Creek. Block H consists of Parking Lot No. 2, which has been used primarily as an employee parking lot. The parking lot is paved with asphalt and a grassy strip of land lies between the paved portion of the block and Cow Pen Creek. Access to the parking lot is from Chesapeake Park Plaza. Historical aerial photographs indicate that Parking Lot No. 2 was constructed before 1954. It remains in use today for employee parking. No structures are known to have ever stood on this asphalt parking area.

2.3 PHYSICAL SETTING

2.3.1 Physiography

The site lies within the Western Shore of the Coastal Plain Physiographic Province. Coastal Plain topography is generally characterized by low relief. The MRC's topography slopes gently, ranging from sea level to approximately 32-feet above mean sea level. The topography slopes from Eastern Boulevard to the southwest and south toward Cow Pen Creek and Dark Head Cove.

2.3.2 Hydrology

The MRC lies at the junction of Cow Pen Creek and Dark Head Cove. Both are tidal surface water bodies that feed into Dark Head Creek, a tributary to Middle River, which is a tributary to Chesapeake Bay. The facility lies approximately 3.2 miles upstream of Chesapeake Bay. No surface water bodies lie within or cross the MRC.

MRC maintains a State of Maryland National Pollutant Discharge Elimination System (NPDES) permit (state discharge permit No.: 00-DP-0298, NPDES permit No.: MD0002852) issued by Maryland Department of the Environment (MDE) Industrial Discharge Permits Division, Water Management Administration (Earth Tech, 2003). MRAS generates sanitary and process wastewater and is categorized as an "Industrial User." The facility pre-treats and discharges its wastewater under the "Industrial-User Discharge Permit" (permit No.: WWDP#1390) issued to MRAS by the Baltimore County Department of Public Works, Bureau of Utilities (Earth Tech, 2003). The permit authorizes the facility to discharge its processed and sanitary wastewater from seven permitted discharge points (i.e., outfalls).

2.3.3 Soils

Soils underlying the MRC have been mapped by the United States Department of Agriculture (USDA) Soil Conservation Service as Mattapex-Urban Land Complex and Sassafras-Urban Land Complex. Mattapex-Urban Land soils consist of deep, well-drained, silty soils, the original texture of which has been disturbed, graded over, or otherwise altered before construction. Sassafras-Urban Land soils consist of deep, well-drained, sandy soils, the original texture of which has been disturbed, graded over, or otherwise altered before construction (USDA, 1993). MRC site assessments, however, indicate that a high percentage of these soils contain a very high clay and silt content, with poor surface drainage.

2.3.4 Geology

Geologic maps of Baltimore County show that the MRC is underlain by the Potomac Group, a Cretaceous-age interbedded gravel, sand, silt, and clay unit ranging in thickness from 0–800 feet. The Potomac Group is composed of three units: the Raritan and Patapsco Formations, the Arundel Clay, and the Patuxent Formation. The Raritan and Patapsco Formations range up to 400 feet thick and are composed of a gray, brown, and red variegated silt and clay unit with lenticular lenses of sand and few gravels. The Arundel Clay is composed of dark gray and maroon lignitic-clays ranging from 25–200 feet thick. The Patuxent Formation is described as a white or light-gray to orange-brown, moderately sorted sand unit with quartz gravels, silts, and clays ranging up to 250 feet thick (Reinhardt, 1977).

The geologic map of the Middle River-quadrangle maps the entire survey area as either the clay or sand facies of the Patapsco Formation. The sands are more concentrated on the peninsulas east of MSA and in areas north of Eastern Boulevard, whereas all of the peninsulas (except for the Wilson Point Road area) west of the airport are mapped as belonging to the clay facies. The Arundel Clay is mapped as outcropping northwest of the MRC facility (Reinhardt, 1977).

Lithologic logging of soils beneath the MRC (conducted during extensive site characterization) has identified a very heterogeneous substrate. The underlying soils are composed primarily of silty sands, fine-grained to medium-grained sands, silty clays, clayey silts, and plastic clay, with the primary lithology being clay to silty clay. Sand lenses were encountered but in general do not appear to be continuous beneath the facility. Shallow groundwater tends to flow in the more sandy lenses toward the surface water bodies, and the water table is generally a subdued representation of the surface topography.

2.4 PREVIOUS INVESTIGATIONS

Investigations associated with the MRC have been conducted since 2003 and include UST closures and abandonments, soil excavations, Phase I ESAs, and Phase II investigations.

2.4.1 Phase I Environmental Assessment (2003)

A Phase I ESA of the MRC was conducted in accordance with American Society for Testing and Materials (ASTM) standard E 1527 in February 2003. The Phase I ESA consisted of a historical

review of the facility (i.e., a review of facility documents, aerial photographs, and city directories), a review of federal, state, and local agency databases, interviews with site personnel, and a site visit. The Phase I ESA identified 13 specific RECs associated with the MRC. In addition to the 13 RECs, the Phase I ESA also recommended further investigation into the facility's historical site activities to identify other potential environmental concerns at the facility and creation of an operation and maintenance plan to address asbestos-containing materials (ACMs) and lead paint (Earth Tech, 2003).

2.4.2 Phase II Investigation (Fall/Winter 2003)

A Phase II investigation consisting of soil and groundwater sampling and a geophysical survey was conducted on seven of the 13 RECs identified in the Phase I ESA. The fall 2003 Phase II investigation sought to determine and evaluate environmental baseline conditions for the entire MRC. Geophysical surveys were conducted to find evidence of buried USTs, utilities, or metallic debris in the subsurface underlying the RECs.

The Phase II investigation determined baseline conditions by identifying and evaluating potential contaminants in the underlying environmental media. Six of the seven RECs investigated are in the southern portion of the MRC. The RECs investigated include Former Building D (REC #1), the Product Pipeline (REC #2), the former 500,000-gallon AST and associated tanks (REC #3), the Boat Launch Area (REC #4), seven former aviation fuel USTs (REC #5), and potential fill areas along the waterfront lot and Parking Lot No. 6 (REC #6). REC #7 consists of the five existing on-site groundwater-monitoring wells.

Thirty-two soil borings were completed on the exterior areas using direct-push technology (DPT). The completed soil borings were either adjacent to known contaminant-source areas (RECs #2, #3, and #5) or spaced throughout a REC if the potential source(s) were unknown or multiple sources were suspected (RECs #1, #4, and #6). Subsurface soil samples were collected in 30 of 32 borings, primarily from the 5–10 foot below ground surface (bgs) soil intervals. Groundwater grab samples were collected from 23 groundwater sampling points installed using a DPT hydro-punch sampler. One background soil boring, designated SB-34, was completed adjacent to the facility's athletic field, an area that, based on available historical aerial photographs, was used solely for recreational activities since the facility's construction in the late

1930s. All five existing monitoring wells, installed previously at several UST areas, were purged and sampled using low-flow techniques.

The soil and groundwater samples collected were submitted for targeted analyses if the source was known (e.g., UST and pipeline) or for a full suite of analyses if multiple sources were suspected or no information about possible contaminants was known. Full-suite analyses consisted of analysis for gasoline-range organics (GROs), diesel-range-organics-extended (DROs-extended), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and priority-pollutant metals. Analytical results identified inorganic and organic compounds (in soil and groundwater obtained from all seven RECs) at concentrations above screening levels that were appropriate for use in 2003. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the human health risk assessment (HHRA) that were collected during the 2003 investigation are in Appendix A.

As part of the Phase II investigation, a reconnaissance-level electromagnetic (EM) survey of REC #6 (Waterfront Lot/Parking Lot No. 6) evaluated whether waste disposal, buried drums, or other metallic debris were in the fill material. Portions of the site were further delineated wherever the survey indicated an anomaly. Nine anomalies were identified throughout the survey area.

Ground-penetrating radar (GPR) scanning results found eight of these anomalies, which are associated with utilities (primarily storm drains). GPR imaging of the remaining anomaly, designated Anomaly 6, did not identify a definitive source and was not considered consistent with any known possible subsurface metallic objects or utilities. Anomaly 6, approximately 300 feet long by 40 feet wide, is near the center of Parking Lot No. 6 and runs mostly northwest to southeast in a linear trend. The results of the geophysical survey are presented in the *Site Characterization Report* (Tetra Tech, 2006b). Evaluation of these data compelled further investigation at all seven RECs to characterize exceedances of inorganic and organic constituents and address identified data gaps.

2.4.3 Historical Survey (2004)

Tetra Tech conducted a historical investigation of the MRC in the summer of 2004 to address the lack of historical information that had been identified in the Phase I ESA (Earth Tech, February 2003). The historical survey reviewed MRC maps (e.g., as-builts,

construction plans, and plot maps), interviewed Lockheed Martin and tenant personnel, and documented site visits. The investigation identified 18 additional RECs along the facility perimeter, in the active industrial yard, and in Buildings A, B, and C (Block I). The additional RECs include a former STP, an incinerator, several plating shops, a possible historical debris storage lot, abandoned USTs, and areas associated with several environmental investigations (e.g., an area of lead removal at the Die Storage Unit and an area of elevated chromium concentrations in groundwater adjacent to Building A) (Tetra Tech, 2004). Figure 2-2 shows all of the RECs. Appendix B presents historical aerial photographs taken from 1938-2005.

2.4.4 Site-Wide Phase II Investigation (2004)

The site-wide Phase II investigation further investigated environmental concerns, including analytical results, identified at RECs investigated during the 2003 Phase II investigation and the historical research survey, and also sought to address possible data gaps (Tetra Tech, 2004). All 31 RECs were investigated during the 2004 site-wide Phase II investigation, including geophysical surveys of five areas, a soil- and groundwater-sampling program, and radiological surficial-media sampling at REC #1. A reconnaissance-level EM survey of REC #7 (Existing Monitoring Wells—MW-5 location), REC #8 (Abandoned 25,000-Gallon Fuel-Oil UST), RECs #9 and #28 (Former 2,000-Gallon Waste-Oil UST), REC #11 (Former STP/Wind-Tunnel Test Building/Vibration-Test Building), and REC #14 (Building A Northwest-Corner Pump Island) was conducted. The geophysical surveys looked for evidence of buried USTs, utilities, or metallic debris in the subsurface underlying the five RECs. Results of the survey were used to place final sampling locations.

One-hundred twenty-three soil borings were carried out in the exterior portions of the facility, using a DPT drill rig. Thirteen of the 123 borings were completed to a maximum depth of 4 feet bgs to collect and lithologically characterize surface soil samples. The remaining 110 borings were completed to the top of the local water-bearing zone. Boring depths range from 15–40 feet bgs unless groundwater was encountered. Refusal of several borings was encountered due to reinforced concrete pavement, concrete rubble in the subsurface soil, and unknown obstructions.

Geophysical survey results from RECs #8 and #11 led to inclusion of an additional 18 soil borings (eight soil borings for REC #8 and #10 for REC #11) to the investigation. The additional soil borings were specifically located to investigate soil and groundwater quality in the

immediate vicinity of the identified anomalies. Strict sample handling procedures were followed throughout the investigation. Upon collection, samples were collected in appropriate laboratory-certified-clean sample containers supplied by the labs. Proper custody procedures were followed throughout all phases of sample collection and handling. A completed chain-of-custody form accompanied each shipment of samples to the laboratory to ensure accountability for the samples from the time of collection to the time they were analyzed.

Analyses were performed on a REC-specific basis. Target analyses for benzene, toluene, ethylbenzene, and total xylene (BTEX) compounds, naphthalene, GRO, DRO, VOCs, hexavalent chromium, PCBs, pesticides, priority-pollutant metals, and gamma spectroscopy were conducted in suspected source areas. Emergent chemicals of concern, including perchlorate and hexavalent chromium, were also analyzed. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the 2004 investigation are in Appendix A.

2.4.5 Phase II Soil Investigation (Summer 2005)

The Phase II soil investigation continued in the summer of 2005 to provide both a baseline characterization of areas without identified RECs (primarily Blocks A, B, and H) as well as data to further delineate possible contaminants that had been identified in specific RECs during previous investigations. Thirty soil borings were completed in areas with no identified RECs (SB-194 through SB-223) in the upper 10 feet of soil (at 0–1 feet, -5, and -10 foot bgs). Forty-five soil borings were completed to provide additional characterization at seven previously investigated RECs (RECs #1, #4, #6, #11, #12, #13, and #26). In addition to the borings referenced above, another issue was identified during the 2004 investigation that necessitated additional characterization. One background sample (SB-34A-SS), collected from the baseball field in Block B, had a reported lead concentration of 370 milligrams per kilogram (mg/kg). Although the reported concentration was below the appropriate 2005 screening level, the concentration was sufficiently elevated to warrant further investigation. Consequently, eight surface soil samples (designated SB-224-SS through SB-231-SS) were collected from 0–1 foot below grade around the previous sampling location and across the ball field to ensure that lead and other elevated metals were not a problem in this area.

Soil borings were completed using DPT or a stainless-steel hand auger (if required). After lithologic logging and field screening, soil from the designated sampling intervals was collected

and immediately placed in appropriate sample containers. The collected sample jars were labeled and placed on ice pending delivery to the analytical laboratory. All samples were analyzed for VOCs, SVOCs, total priority-pollutant metals, PCBs, BTEX-N, GRO, DRO-extended, mercury speciation (if elevated concentrations of mercury were detected), and hexavalent chromium. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the summer 2005 investigation are in Appendix A.

2.4.6 Geophysical Survey/Soil Investigation (Fall 2005)

A geophysical survey and subsequent sampling provided more certainty regarding environmental conditions of areas associated with the MRC having no known or suspected contamination due to storage, management, or disposal of hazardous constituents. The fall 2005 investigation was designed to identify and characterize any anomalous geophysical responses not associated with known subsurface features (e.g., underground utilities, underground storage tanks) in the accessible (surveyable) portions of the survey areas. To that end, a geophysical survey was performed, followed by sampling and analysis of anomalies not associated with known subsurface features.

EM survey techniques screened the areas identified below (approximately 55 acres) and identified anomalous EM responses. Global positioning system (GPS) technology provided location information for EM data points. Identified anomalies were further evaluated using GPR. The following areas were surveyed:

- Block A and Block A Lot 2 in their entirety—approximately 14.3 acres
- Block B in its entirety—approximately 18.4 acres
- Block F (only the area west of the boat launch ramp)—approximately 6 acres
- Block G as accessible—approximately eight of the 13.5 acres are surveyable due to the high density of stored tractor trailers
- Lot H in its entirety—approximately 7.9 acres

Following the geophysical survey, any anomalies that could not be resolved as being associated with known features (primarily utilities) were sampled for soil contamination at multiple depths using DPT. Two locations were also sampled for groundwater at or near the water table. In

general, soil samples were collected from depths of 5 and 10 feet bgs unless more specific data on the depth to the target area was ascertained.

Following the EM survey of a given area, EM anomalies were further evaluated using GPR. The investigation depth was approximately 10–15 feet. Numerous more closely spaced and variously oriented profiles were scanned to accurately determine the footprint outline of each anomaly. Footprint outlines were defined and marked in the field. Results of the geophysical survey are reported in the *Site Characterization Report* (Tetra Tech, 2006b)

Soil borings were positioned to evaluate geophysical anomalies not associated with known subsurface features and were completed using a Geoprobe® system. Soil from the designated sampling intervals was collected and immediately placed in the appropriate sample containers. The collected sample jars were labeled and placed on ice pending delivery to the analytical laboratory. The laboratory analyses of soil and groundwater samples include analysis for VOCs, SVOC, total priority-pollutant metals, dissolved priority-pollutant metals (groundwater only), PCBs, GRO, and DRO-extended. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the fall 2005 investigation are presented in Appendix A.

2.4.7 Site Characterization Report (May 2006)

The *Site Characterization Report* (Tetra Tech, 2006b) was prepared from the fall of 2005 through May 2006 summarizing data collected in all media through 2005. It included screening of the chemicals detected in soil against natural background concentrations. It also included an HHRA identifying potential adverse human health effects resulting from exposure to the detected chemicals for a number of current and hypothetical use scenarios.

The HHRA identified a number of chemicals of potential concern (COPC) by comparing maximum concentrations to appropriate 2006 screening levels. COPC detected in soil samples include metals, polycyclic aromatic-hydrocarbons (PAHs) (expressed as benzo(a)pyrene equivalents [BaPEq]; see Section 3 for calculation methodology), SVOCs, PCBs, and total petroleum hydrocarbons (TPH)-DRO, and -GRO. Results of the site-specific HHRA helped determine which COPC are the principal contributors to risk. COPC were evaluated from the perspective of prevailing background concentrations and potential adverse human health effects.

2.4.8 Additional Soil Characterization (Fall 2007)

An additional field investigation in the fall of 2007 sought to confirm previous results and refine the limits of COPC (identified in the *Site Characterization Report*) greater than potential cleanup goals. The objective of the fall 2007 investigation was to obtain sufficient soil data to delineate areas of concern in Blocks B, D, E, F, G, and H. To that end, a DPT soil characterization was executed to best define the boundaries of COPC, as defined in the *Site Characterization Report* (Tetra Tech, 2006b). Characterization was completed both laterally and vertically (as determined by the depth to groundwater).

Two-hundred-fifty borings were advanced during the 2007 additional field investigation. Soil borings were advanced to a maximum depth of 9 feet bgs. Samples were collected at two-foot increments (e.g. surface, 2–3, 5–6, 8–9 feet bgs) to a total depth of 9 feet bgs. Concrete coring was required in Blocks E and F. Continuous soil samples were collected in each boring using a 1.5-inch, 4-foot long stainless-steel macro-core sampler fitted with a disposable acetate-liner. Samples were screened in the field for lithologic description, visual observations, and then shipped to the laboratory for analysis. The samplers were analyzed for block-specific COPC including SVOCs, metals, PCBs, and TPH (GRO and DRO) compounds. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during fall 2007 investigation are in Appendix A.

2.4.9 Final Soil Delineation (Blocks D, F, G, and H Fall 2009)

The final delineation effort consisted of two tiers of sampling in pursuit of two goals: (1) to fill data gaps to refine estimated depths of soil impacts and (2) to allow for iterative sampling to expand the investigation area outward laterally. The sampling strategy described below advanced 385 soil borings in Blocks D, F, G, and H. No soil borings were advanced in Block E during this event. The data are presented in individual data reports for each block. Samples collected during the fall 2009 event were analyzed for block-specific COPC identified in previous studies. PAHs are the COC analyzed for throughout all blocks; PCBs (Block F), arsenic (Block G), mercury (Blocks F and H), and TPH-GRO and -DRO (Block G) were analyzed for in samples from areas of concern for that particular constituent.

The first tier of delineation sampling ("Inner Tier") collected samples from existing isolated locations where BaPEq concentrations had been calculated for samples with non-detects or less than detection limit results for BaPEq. BaPEq concentrations were calculated using USEPA's *ProUCL* software in combination with USEPA's toxicity-equivalency factors (TEF) for PAHs exceeding the screening level. Some soil data from these previous borings, therefore, exceed the screening level due to the conservative assumption that PAHs may be present above screening levels but below quantitation limits. During Inner Tier sampling, soil in the area of these borings was resampled and analyzed with a lower quantitation limit. The target quantitation limit for PAHs is 6.7 µg/kg. The BaPEq concentration from the resulting Inner Tier data was then calculated and the new BaPEq concentration was compared to the screening level.

The Inner Tier also produced samples from existing isolated sampling locations where the vertical profile did not satisfy the project objective of two clean intervals spaced at one-foot increments beneath the sample exhibiting a screening-level exceedance. In sampling locations that did not satisfy the project depth requirement, the existing location was resampled, starting below the depth of the original screening-level exceedance to define the vertical extent, along with four satellite locations. The Inner Tier sampling sought to verify the clean margin based on resampling data by collecting it from more evenly spaced depth intervals.

If Inner Tier samples exceeded screening levels, an Outer Tier location was sampled to a depth defined by the clean margin of the Inner Tier. The second tier of delineation sampling ("Outer Tier") consists of a round of borings extending outward laterally from the impacted area defined by the results of the previous tier of sampling. Samples from Outer Tier borings were collected and analyzed at two-foot intervals.

In some instances a second round of Outer Tier samples was also collected. The final delineation sampling used DPT drilling, with disposable acetate-lined core samplers. All data were considered when determining the location and depth for vertical and horizontal delineations. In some cases the limit defined by COC with concentrations above screening levels was sufficiently delineated in one or both directions such that the full scope of Inner and/or Outer Tier sampling was not necessary.

Block B characterization was deemed complete during the 2009 final delineation sampling and remediation was undertaken in fall 2010. Block B is therefore not included in this risk assessment. Sampling locations are shown in Figure 2-3 and Figures 2-5 through 2-9. Data relevant to the HHRA that were collected during the fall 2009 investigation are in Appendix A.

2.4.10 Data Gap Investigation (Fall 2010)

The objective of the data-gap soil sampling is to define with greater accuracy the vertical and lateral boundaries of soil with COPC concentrations above potential cleanup goals by collecting soil samples at locations to fill identified data gaps. A DPT drill rig advanced 82 soil borings in each block that had remaining data gaps. Soil samples were collected from each boring at two-foot intervals to a maximum depth of 15 feet. bgs using a 1.5-inch-diameter, 4-foot long stainless-steel macro-core sampler fitted with a disposable acetate-liner.

The data are presented in separate data reports for each block. Samples collected during this event were analyzed for block-specific COC. PAHs are the COC analyzed for throughout Blocks D, F, G, and H. Block F samples were analyzed for mercury. Block E samples were analyzed for PCBs.

A subset of samples was also analyzed for alkyl-PAHs to determine if the source of the impacted area is of pyrogenic or petrogenic in nature. Samples from the panhandle area of Block D were analyzed for VOCs, SVOCs and 1,4-dioxane, TPH-GRO and -DRO, total metals, hexavalent chromium, and pesticides/PCB. Samples from the area near SB-833 in Block E were also analyzed for TPH-GRO and -DRO, VOCs, SVOCs, and total metals. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the fall 2010 investigation are in Appendix A.

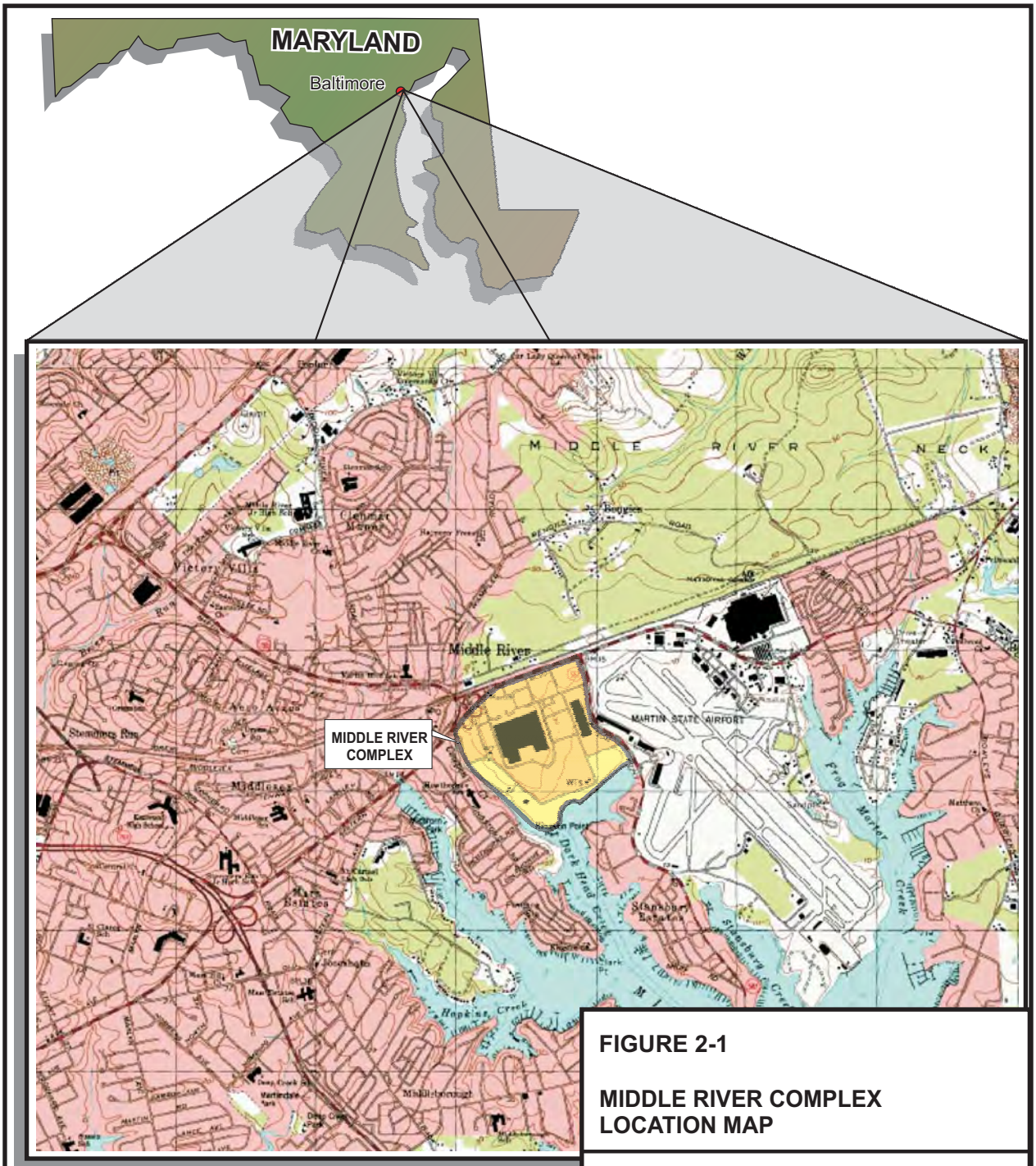

FIGURE 2-1

MIDDLE RIVER COMPLEX LOCATION MAP

Lockheed Martin Middle River Complex
Middle River, Maryland

NOT TO SCALE	N
DATE MODIFIED: 7/29/09	CREATED BY: MP

Tetra Tech, Inc.

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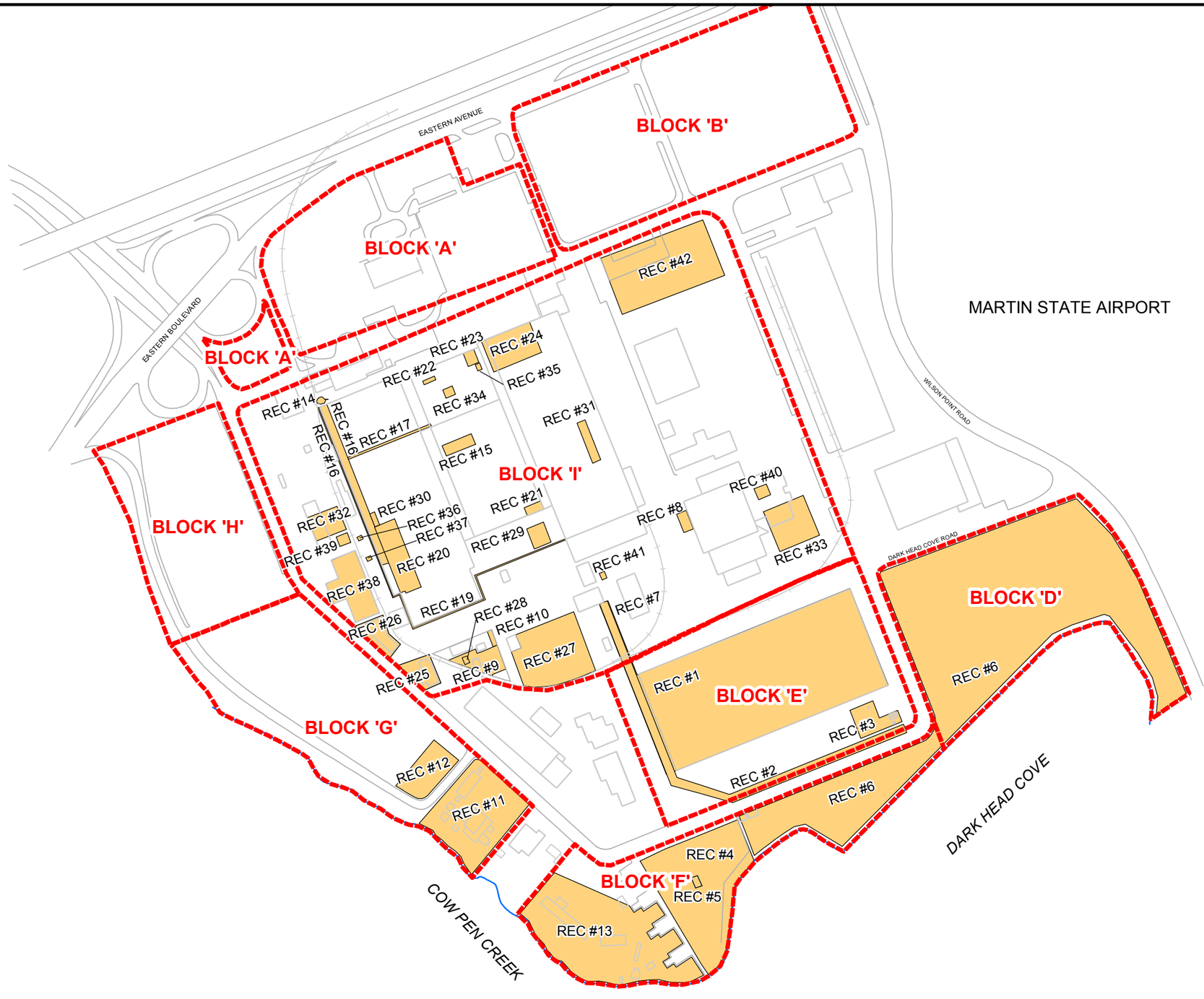

FIGURE 2-2

MIDDLE RIVER COMPLEX
TAX BLOCKS

LEGEND

- REC
- TAX BLOCK
- STRUCTURE
- RAILROAD TRACKS

Lockheed Martin Middle River Complex
Middle River, Maryland

0 120 240 480 Feet

N

DATE MODIFIED: 1/12/11

CREATED BY: LR

Tetra Tech, Inc.

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Map Document: (K:\GProject\middle_river\Maps\GPS SOIL BORING LOC\Final RAP figures\Final RAP_Comments\Block D Soil Sampling Locations_ figure 2-3 1 06 11.mxd)
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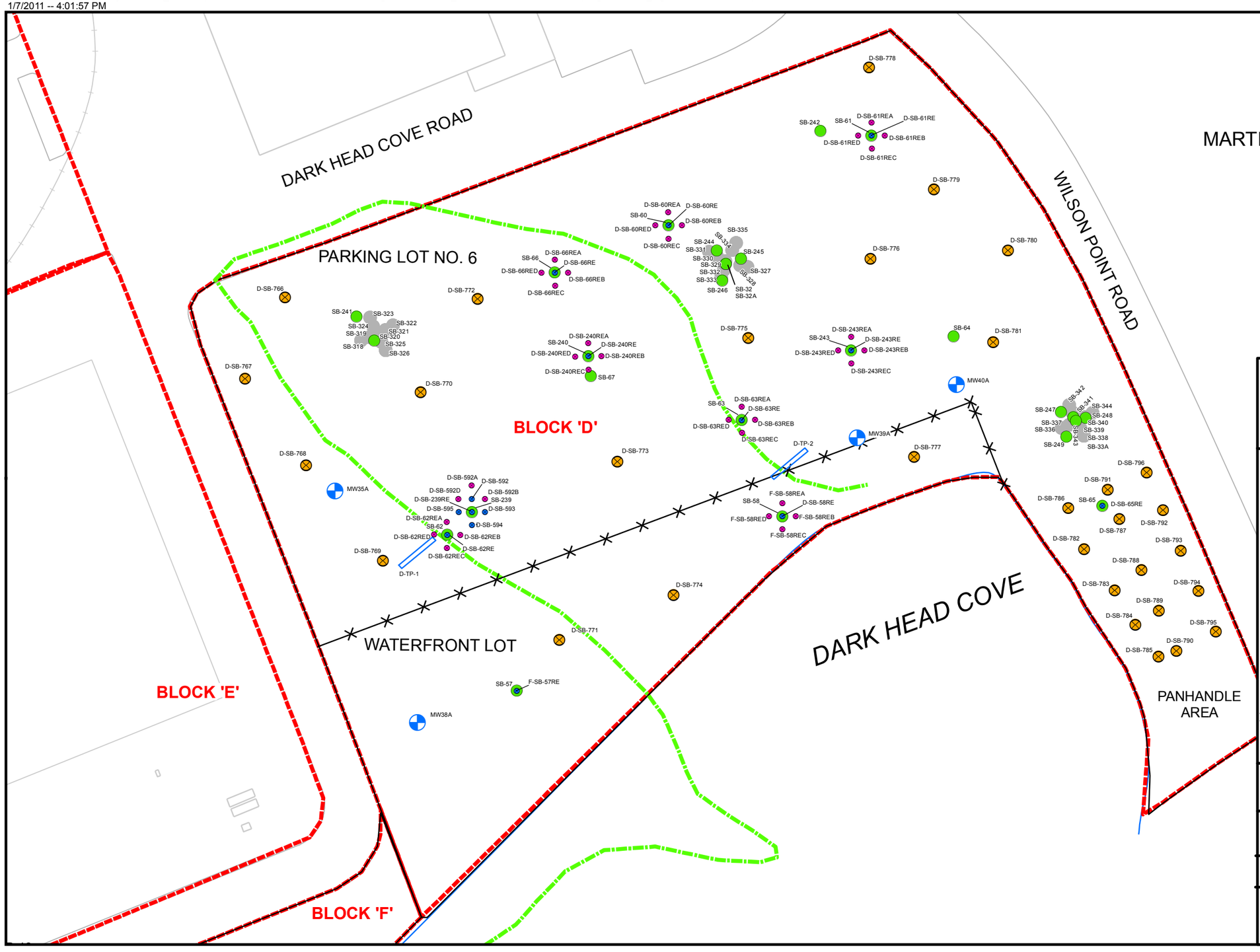


FIGURE 2-3

SOIL SAMPLING LOCATIONS FOR BLOCK D

LEGEND

- GROUNDWATER MONITORING WELL
- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- 2010 SOIL SAMPLE LOCATION
- 2010 TEST PIT LOCATION
- TAX BLOCK
- FENCE
- PRE- 1950 SHORELINE

Lockheed Martin Middle River Complex
Middle River, Maryland

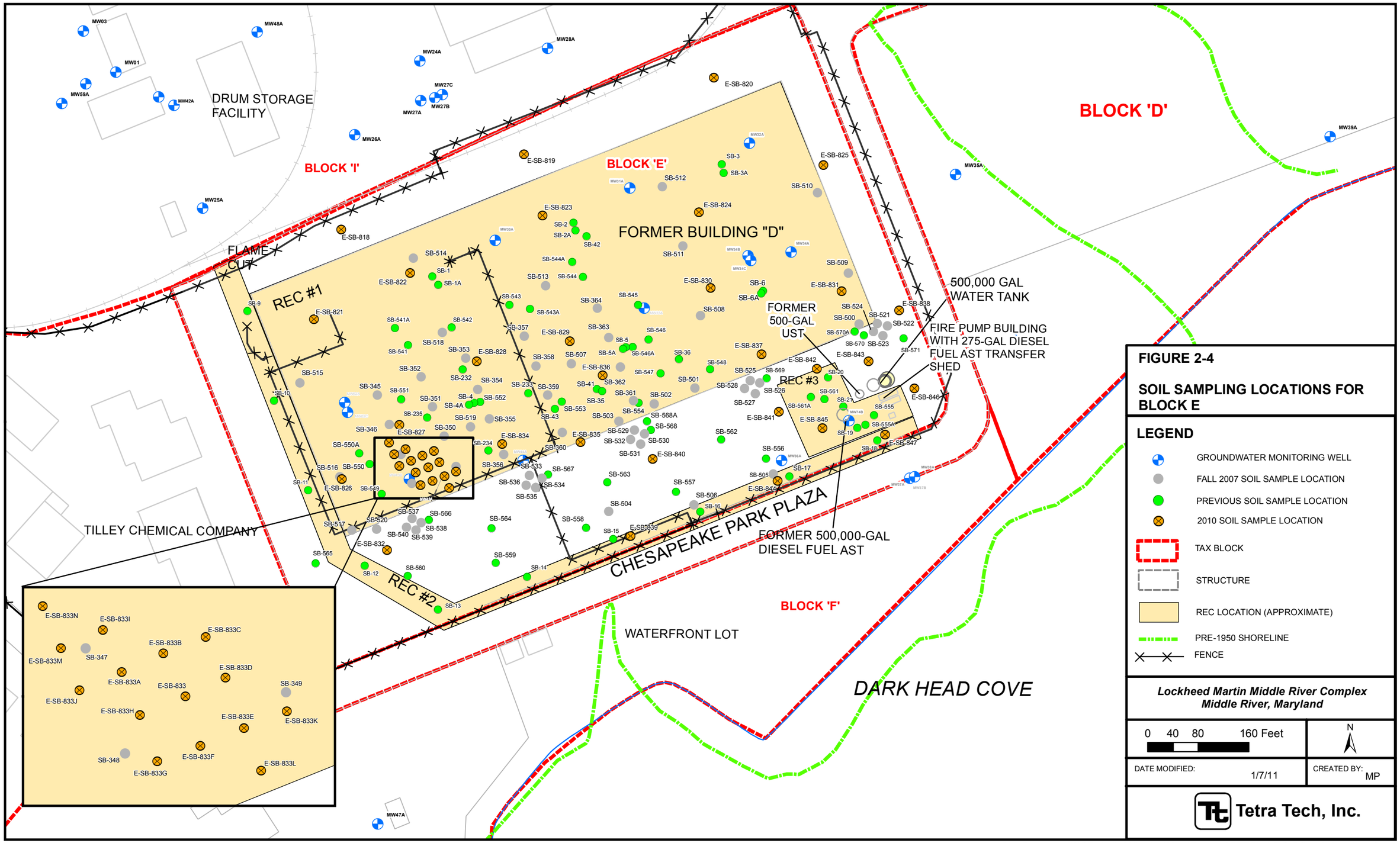
0 30 60 120 Feet

N

DATE MODIFIED: 1/6/11

CREATED BY: MP

Tetra Tech, Inc.



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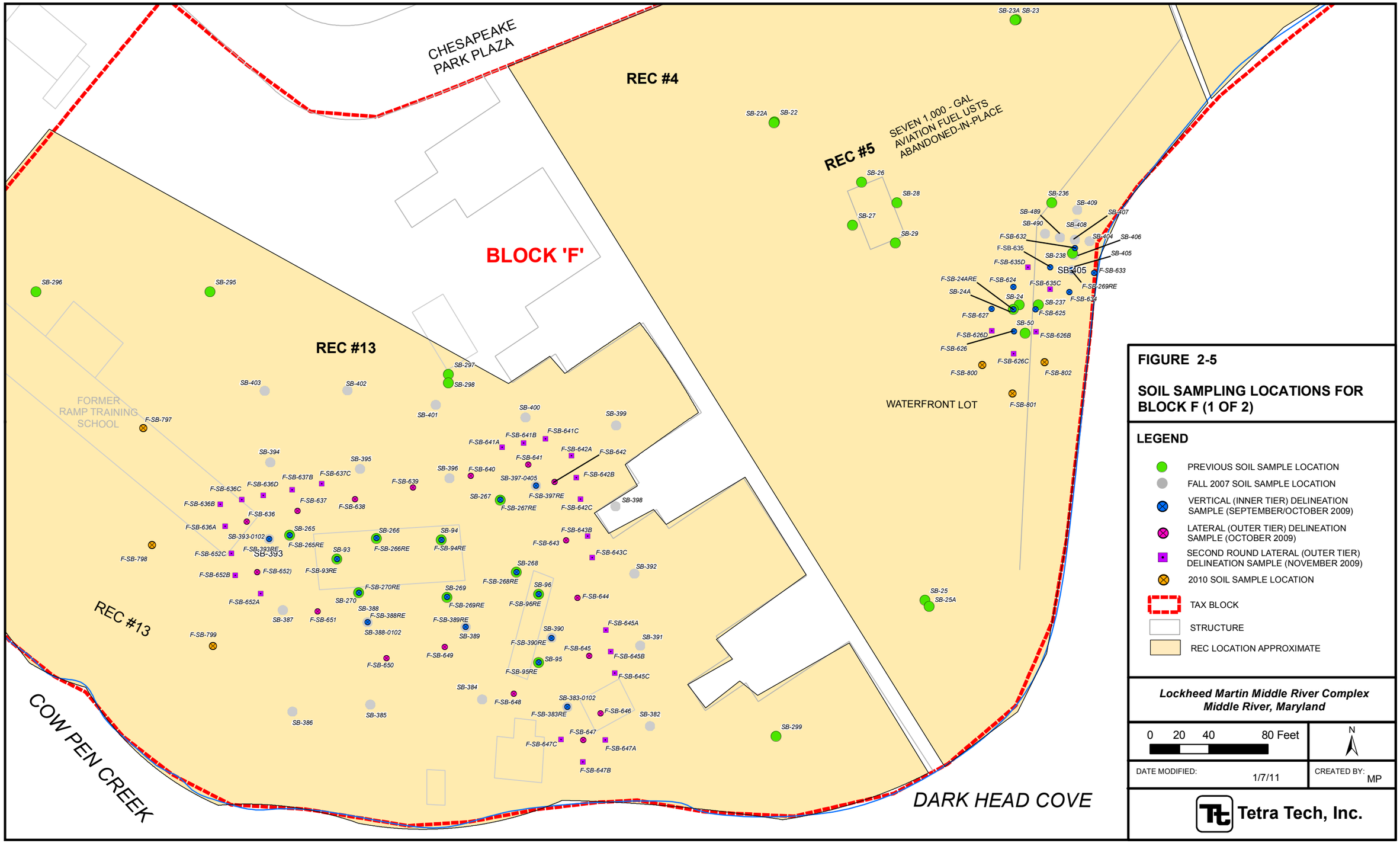

FIGURE 2-5

SOIL SAMPLING LOCATIONS FOR BLOCK F (1 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- SECOND ROUND LATERAL (OUTER TIER) DELINEATION SAMPLE (NOVEMBER 2009)
- 2010 SOIL SAMPLE LOCATION
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 20 40 80 Feet

N

DATE MODIFIED: 1/7/11

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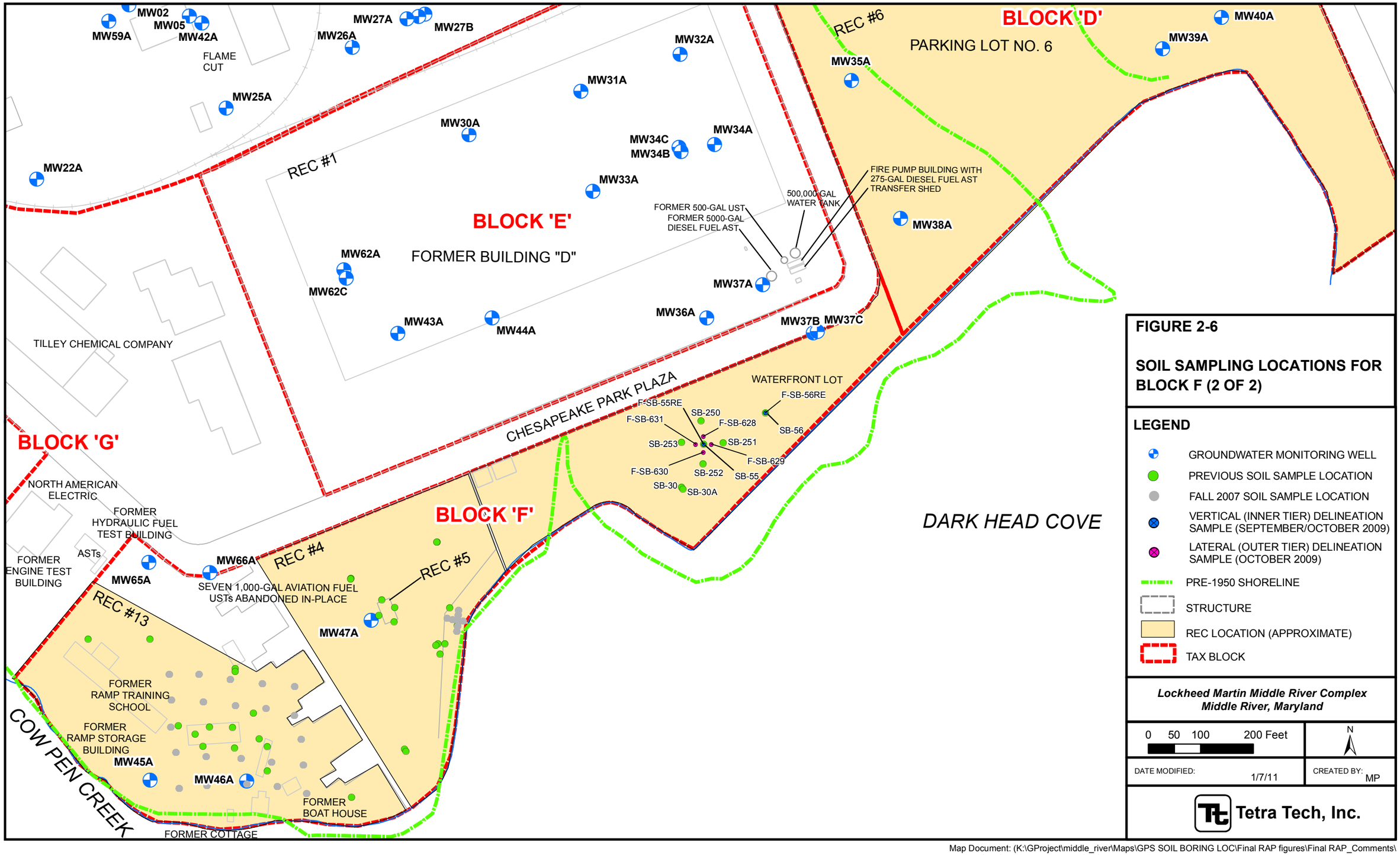

FIGURE 2-6

SOIL SAMPLING LOCATIONS FOR BLOCK F (2 OF 2)

LEGEND

- GROUNDWATER MONITORING WELL
- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- PRE-1950 SHORELINE
- STRUCTURE
- REC LOCATION (APPROXIMATE)
- TAX BLOCK

Lockheed Martin Middle River Complex
Middle River, Maryland

0 50 100 200 Feet

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Block G Soil Sample Locations 1 of 2_figure 2-7 1 07 11.mxd) 1/7/2011 -- 4:33:54 PM

PARKING LOT NO. 2

PARKING LOT NO. 3

BLOCK 'G'

G-SB-813
G-SB-803
G-SB-804
G-SB-810
G-SB-805
G-SB-811
G-SB-806
G-SB-812
G-SB-807
G-SB-809
G-SB-808

SB-455
SB-442
SB-761A
SB-761D
SB-761
SB-761B
SB-761C
SB-443
SB-673
SB-199RE
SB-676
SB-674
SB-675
SB-199
SB-454
SB-762A
SB-762D
SB-762B
SB-762
SB-762C
G-TP-1
SB-441
SB-689
SB-441RE
SB-692
SB-690
SB-691
SB-198
SB-669
SB-198RE
SB-672
SB-670
SB-671D
SB-671
SB-671B
SB-671C
SB-444
SB-763A
SB-763D
SB-763B
SB-693A
SB-763
SB-763C
SB-693D
SB-693B
SB-696
SB-694
SB-453RE
SB-695
SB-440
SB-665
SB-668
SB-197
SB-666
SB-197RE
SB-667
SB-445
G-TP-2
SB-764A
SB-764
SB-764D
SB-764B
SB-764C
SB-452
SB-765A
SB-765D
SB-765
SB-765B
SB-765C
SB-657A
SB-657D
SB-657
SB-657B
SB-195
SB-195RE
SB-660
SB-658
SB-658B
SB-659D
SB-659
SB-658C
SB-659C
SB-446
SB-439
SB-196
SB-661
SB-662A
SB-664
SB-662
SB-662B
SB-196RE
SB-663
SB-662C
SB-438
SB-653A
SB-653D
SB-653
SB-653B
SB-194
SB-194RE
SB-656D
SB-656
SB-654
SB-654B
SB-656C
SB-655
SB-654C
SB-685
SB-437
SB-437RE
SB-688
SB-686
SB-687
SB-254
BaPEq 227 (0.5')

FIGURE 2-7

SOIL SAMPLING LOCATIONS FOR BLOCK G (1 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- 2009 VERTICAL (INNER TIER) DELINEATION SAMPLE
- 2009 LATERAL (OUTER TIER) DELINEATION SAMPLE
- 2009 SECOND ROUND LATERAL DELINEATION SAMPLE
- 2010 SOIL SAMPLE LOCATION
- 2010 TEST PIT LOCATION
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 25 50 100 Feet

N

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Block G Soil Sample Locations 2 of 2_figure 2-8 1 07 11.mxd) 1/7/2011 -- 4:42:24 PM

FOR LOCATIONS WITHIN BLOCK G SEE FIGURE 2-7

BLOCK 'G'

PARKING LOT NO. 3

REC #12

REC #11

COW PEN CREEK

2,000 GALLON FUEL OIL UST

10,000 GALLON FUEL OIL UST

FIGURE 2-8

SOIL SAMPLING LOCATIONS FOR BLOCK G (2 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER/NOVEMBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER/NOVEMBER 2009)
- SECOND ROUND LATERAL (OUTER TIER) DELINEATION SAMPLE (NOVEMBER 2009)
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 20 40 80 Feet

N

DATE MODIFIED: 1/7/11

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EASTERN BOULEVARD

COW PEN CREEK

CHESAPEAKE PARK PLAZA

PARKING LOT NO. 2

BLOCK 'H'

BLOCK 'I'

BLOCK 'G'

PARKING LOT NO. 3

H-SB-814
H-SB-815
H-SB-816
H-SB-817
SB-294
SB-293
SB-202
SB-203
SB-485
SB-282RE
SB-282REA
SB-282RED
SB-282REB
SB-282REC
SB-478
SB-477
SB-284RE
SB-611A
SB-608
SB-609
SB-611
SB-470
SB-611D
SB-284
SB-610B
SB-610D
SB-610
SB-610C
SB-471
SB-604A
SB-604D
SB-604
SB-604B
SB-283RE
SB-607
SB-283
SB-605
SB-606
SB-479
SB-484
SB-467
SB-476
SB-483
SB-466
SB-486
SB-612
SB-285RE
SB-468
SB-615
SB-285
SB-613
SB-614
SB-465
SB-472
SB-475
SB-469
SB-600
SB-201RE
SB-603
SB-601
SB-201
SB-482
SB-602
SB-487
SB-480
SB-464
SB-596
SB-200RE
SB-599
SB-597
SB-200
SB-598
SB-473
SB-481
SB-286RE
SB-616
SB-619
SB-286
SB-617
SB-488
SB-618
SB-463
SB-474RE
SB-620
SB-623
SB-621
SB-474
SB-622
SB-462

FIGURE 2-9

SOIL SAMPLING LOCATIONS FOR BLOCK H

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE
- LATERAL (OUTER TIER) DELINEATION SAMPLE
- 2010 SOIL SAMPLE LOCATION
- TAX BLOCK
- STRUCTURE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 40 80 160 Feet

N

DATE MODIFIED: 1/7/11

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Block H Soil Sampling Locations_ figure 2-9 1 07 11.mxd) 1/7/2011 -- 5:17:36 PM

Section 3
Human Health Risk Assessment: General Methodology

Section 3 provides the general methodologies used to develop tax-block-specific risk assessments for exposure to impacted soil. Primary guidance sources used to prepare this human health risk basement (HHRA) include the Maryland Department of the Environment (MDE) *Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008) and *Voluntary Cleanup Program Guidance* (State of Maryland, 2006). Current guidance and reports published by the U.S. Environmental Protection Agency (USEPA) and USEPA Region 3 were also considered in preparing the HHRA:

- *Soil Screening Guidance: Technical Background Document* (USEPA, 1996a)
- *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (USEPA, 2002a)
- *Exposure Factors Handbook*. Office of Research and Development, National Center for Environmental Assessment, Washington, D.C. EPA/600/P-95/002Fa (USEPA, 1997a)
- *Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure-Factors*. OSWER Directive 9285.6 03, OSWER, Washington, D.C. (USEPA, 1991)
- Distribution of *Preliminary Review Draft: Superfund's Standard Default Exposure-Factors for Central-Tendency and Reasonable Maximum Exposure*. OSWER, Washington, D.C. (USEPA, 1993a)
- *Calculating Upper Confidence-Limits for Exposure-Point Concentrations at Hazardous Waste Sites*. Office of Emergency and Remedial Response, Washington, D.C. OSWER 9285.6-10 (USEPA, 2002b)
- *Risk Assessment Guidance for Superfund (RAGS), Volume I: Human Health Evaluation Manual (Part A)* (USEPA, 1989)

- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final*. Office of Superfund Remediation and Technology Innovation, Washington, D.C. 20460 EPA/540/R/99/005, OSWER 9285.7-02EP; PB99-963312 (USEPA, 2004a).

- *Guidelines for Carcinogen Risk Assessment*. EPA/630/P-03/001B. March 2005 (USEPA 2005a)

- *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens*. EPA/630/R-03/003F (USEPA, 2005b)

- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final*. Office of Superfund Remediation and Technology Innovation, Washington, D.C. 20460 EPA-540-R-070-002, OSWER 9285.7-82 (USEPA, 2009a).

- *Updated Dermal Exposure Guidance* (USEPA Region 3, 2003a)

The risk assessment protocols in the following technical documents, which were prepared for Lockheed Martin Corporation (Lockheed Martin) sites at Martin State Airport (MSA) site as well as for the Middle River Complex (MRC), were also considered:

- *Revised Human Health Risk Assessment, MSA, Middle River, Maryland*. Prepared for Lockheed Martin Corporation (Tetra Tech, 2006a)

- *Site Characterization Report, Lockheed Martin MRC, 2323 Eastern Boulevard, Middle River, Maryland* (Tetra Tech, 2006b)

The HHRA for the tax block soils is structured and reported according to the guidelines in the *RAGS, Human Health Evaluation Manual, Part D: Standardized Planning, Reporting, and Review of Superfund Risk Assessments* (*RAGS Part D*) (USEPA, 2001). The HHRA consists of the following six components (see *RAGS* Sections 1 through 6 for a more complete discussion):

- data evaluation
- exposure assessment
- toxicity assessment
- risk characterization
- uncertainty analysis
- development of remedial goal options

3.1 DATA EVALUATION METHODOLOGY

The first step of the baseline HHRA, data evaluation, is a medium-specific task that begins with compilation of relevant analytical data and concludes with the selection of chemicals of potential

concern (COPC) to be evaluated in subsequent step of the assessment. First, the data available for the relevant study area(s) are reviewed in terms of data quality; only validated data are used in the assessment. Environmental samples selected for HHRA are summarized in the tables presented in Appendix A. Second, a medium-specific list of COPC (used to quantitatively and/or qualitatively determine potential human health risks) was selected based on a toxicity screen (i.e., a comparison of site contaminant concentrations to conservative toxicity-screening values).

3.1.1 Data Evaluated in the HHRA

Validated data collected during the following environmental investigations were used to assess risks to potential human receptors:

- Phase II site investigation (fall/winter 2003)
- site-wide Phase II investigation (2004)
- Phase II soil investigation (summer 2005)
- additional soil characterization (fall 2007)
- supplemental soil and storm-drain-sediment characterization (Block E fall 2008)
- final soil delineation (Block D, F, G, and H fall 2009)
- data gap investigation (fall 2010)

Environmental samples specifically evaluated in the HHRA are listed in Tables 3-1 through 3-15 (and Appendix A):

- *Tables 3-1 through 3-5*: Soil samples collected in the 0–2 feet below grade interval for each of the five tax blocks (collected in 2004–2010). These samples are considered surface soil samples for the purposes of the HHRA.
- *Tables 3-6 through 3-10*: Soil samples collected at depths greater than two feet below grade but less than or equal to 10 feet below grade (collected in 2003–2010) are considered shallow subsurface-soil samples for the purposes of the HHRA. Typically, subsurface soil data are evaluated to a depth of 10–15 (the depth to which human receptors could reasonably be exposed) or to the zone of saturation. The depth to groundwater in the study area is within 10 feet below grade. To be conservative, subsurface soil data from 2–10 feet below grade were included in the quantitative risk evaluation. Data for these samples are assumed to represent conditions in the unsaturated (vadose) zone and upper saturated-zone soils. The uncertainty analysis (see Section 5)

discusses uncertainty associated with potential saturated-zone samples included in the quantitative risk evaluation.

- *Tables 3-11 through 3-15*: Soil samples collected at depths greater than 10 feet below grade (collected in 2004 through 2010) are considered deep subsurface-soil samples for the purposes of the HHRA. We assume that direct contact with the deeper saturated-zone soils (i.e., soil samples greater than 10 feet below grade) is very unlikely; therefore, this HHRA does not quantitatively evaluate direct-contact exposure to deeper saturated-zone soils. The uncertainty analysis (see Section 5) presents a qualitative evaluation of contaminants detected in saturated-zone soils.

Fixed-base analytical results (i.e., results from a fixed-base laboratory and not from field analytical results) from field investigations for target analytes were used in the quantitative risk evaluation. Field measurements and data regarded as rejected (i.e., that were qualified as "R" during data validation) were not used in the quantitative risk assessment. If a chemical was not detected in an environmental medium but its reported detection limits (sample quantitation-limits [SQLs]) for the environmental samples exceeded the COPC toxicity screening-levels, that chemical is qualitatively discussed in the uncertainty analysis section.

3.1.2 Selection of Chemicals of Potential Concern

Selecting COPC is a qualitative screening process to limit the number of chemicals quantitatively evaluated in the baseline HHRA to those site-related constituents that dominate overall potential risks. Screening by risk-based concentrations focuses the risk assessment on meaningful chemicals and exposure routes. In general, a chemical was selected as a COPC in the HHRA and retained for further quantitative-risk evaluation if the maximum detection in a soil data set exceeded the lowest risk-based screening concentration. Chemicals eliminated from further evaluation are assumed to present minimal risks to potential human receptors. Tables summarizing the selection of COPC are included in the risk assessment and referenced in the following text.

3.1.2.1 Derivation of Screening Criteria

The primary COPC screening criteria for the study area soils were derived from MDE's *Cleanup Levels for Soil and Groundwater* (State of Maryland, 2008) and USEPA Regional Screening Levels (RSLs) developed by the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL) on behalf of USEPA (USEPA, 2010a). The more conservative of these values were used to select COPC. These risk-based concentrations are based on exposure pathways for which generally accepted methods, models, and assumptions have been developed (i.e., ingestion,

dermal contact, inhalation) for specific land uses (residential, industrial). They do not consider effects on groundwater or ecological receptors. The COPC screening levels used in the HHRA to evaluate soil data are listed in Table 3-16 and defined in the following narrative.

Screening levels for all parameters except lead—Screening levels to select COPC for direct human-contact exposures to surface and subsurface soil are based on the following criteria:

- *Interim Final Guidance from the State of Maryland, Department of the Environment, Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008)
- *Regional Screening-Levels for Residential Soil* (USEPA, 2010a)
- "Generic Soil-Screening Levels (SSL_{air}) for Transfers from Soil to Air" (published on the USEPA Web site: http://rais.ornl.gov/epa/ssl1.shtml)

COPC screening levels from the MDE cleanup standards correspond to a systemic hazard quotient (HQ) of 0.1 for noncarcinogens or an incremental lifetime cancer-risk (ILCR) of 1×10^{-6} (i.e., a one in a million probability) for carcinogens. In contrast, USEPA RSLs are based on an HQ of 1 for noncarcinogens and an ILCR of 1×10^{-6} for carcinogens. USEPA RSLs for noncarcinogens are based on an HQ of 1, so COPC screening-levels based on USEPA RSLs were adjusted to correspond to a systemic HQ of 0.1 for noncarcinogens to account for the potential cumulative effects of several chemicals affecting the same target organ or producing the same adverse noncarcinogenic effect. Soil-screening levels derived from both of these sources were used for direct-contact COPC selection. As noted above, the more conservative of the available values were used for COPC selection.

The SSL_{air} values for chemical migration from soil to outside air (published online by USEPA and ORNL at http://rais.ornl.gov/epa/ssl1.shtml) were also used to select COPC for surface and subsurface soils. These values are more recent than those in the 1996 and 2002 soil-screening level (SSL) guidance documents (USEPA, 1996a and USEPA, 2002a). The $SSLs_{air}$ values are based on an HQ of 1; however, the COPC screening values were adjusted to be based on an HQ of 0.1.

Maximum chemical concentrations in soil were also compared to MDE cleanup levels for groundwater protection (as published in State of Maryland, 2008) as well as to federal SSLs for groundwater protection, which are designed to protect groundwater at most sites (as published in

the USEPA RSL table). These groundwater-protection SSLs allow an initial qualitative evaluation of the potential for chemical migration from soil to groundwater. MDE cleanup levels for groundwater protection are based on a dilution-attenuation factor (DAF) of 20, whereas federal SSLs for groundwater protection are based on a DAF of 1. Chemicals with concentrations exceeding MDE groundwater protection criteria or the SSLs' criteria may potentially migrate from soil to groundwater in sufficient quantities to pose groundwater quality problems. Chemicals detected at concentrations exceeding MDE groundwater protection criterion or the federal SSL for groundwater protection, but at concentrations less than COPC screening levels for direct-contact risk, will not be evaluated quantitatively in the HHRA. However, these chemicals will be further evaluated qualitatively using the approach presented in Section 3.4.3.

Screening levels for lead—Guidance from the USEPA Office of Prevention, Pesticides, and Toxic Substances (OPPTS) and Office of Solid Waste and Emergency Response (OSWER) recommend 400 mg/kg as the screening level for lead impacted soil in a residential setting where children are frequently present (USEPA, 1994). To be conservative, 400 mg/kg was used as the screening level to select COPC for soil. However, guidance from the USEPA Technical Review Workgroup for Lead indicates that "a reasonable screening level for soil lead at commercial/industrial (i.e., non-residential) sites is 800 mg/kg" for a typical non-contact intensive worker (2010b); 800 mg/kg is also the current USEPA RSL for soils (2010a), assuming an industrial land use scenario.

3.1.2.2 Decision Rules for Establishing Chemicals of Potential Concern

The following decision rules were used to select COPC for tax block soils:

- A chemical detected in soil was selected as a COPC for the HHRA if the maximum detected chemical concentration exceeds its relevant screening level for soils.
- Surrogate COPC screening levels were used for some chemicals. For example, risk-based COPC screening levels are not currently available for some chemicals [e.g., acenaphthylene, benzo(g,h,i)perylene, phenanthrene] that have been detected in study area soils due to the lack of toxicity criteria. In screening COPC, acenaphthene was used as a surrogate for acenaphthylene; pyrene was used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

- Some chemicals (e.g., naphthalene) are reported in both the VOC and SVOC fractions. The maximum detected concentration was evaluated for purposes of COPC selection.

- Per current USEPA guidance (USEPA, 1993b), cancer risk estimates for benzo(a)pyrene and six other PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) were calculated in terms of benzo(a)pyrene equivalent concentrations (BaPEq) that are calculated usingUSEPA-recommended toxicity equivalency factors (TEFs). TEFs are based on the potency of each of these PAH compounds relative to that of benzo(a)pyrene. TEFs are used to convert each individual PAH concentration into an equivalent concentration of benzo(a)pyrene. The sum of these equivalent concentrations for the six other PAHs and benzo(a)pyrene is the BaPEq concentration. Exposure-point concentrations (EPC) for these PAHs were derived using benzo(a)pyrene equivalent concentrations calculated for each sample.

  BaPEq are calculated two ways: (1) the BaPEq-½-non-detect value is calculated using one-half of the detection limit to represent non-detect results in the calculation, and (2) the BaPEqpositive-results value is calculated using a value of zero to represent non-detect PAH results. In either BaPEq calculation, if none of the PAHs were detected in a sample, then the sample quantitation-limit for benzo(a)pyrene is used as the equivalent concentration for that sample. Values for both BaPEq calculations are presented in the COPC-selection tables.

  Both values calculated for BaPEq are similar; therefore, the BaPEq-½-non-detect values were used in the risk assessment, since these values are slightly more conservative due to the incorporation of non-detects. Using one-half of the detection limit for non-detects recognizes that the concentration of a PAH in a specific sample may be greater than zero even though the result is considered non-detected (i.e., the PAH may be present at a concentration between zero and the sample-quantitation limit). The fact that the BaPEq results for both the ½-non-detect and positive-results-only calculations are similar indicates that elevated detection limits are not resulting in biased-high BaPEq results for the ½-non-detect calculation.

- For PCBs, individual Aroclors were compared to screening criteria for individual Aroclors. Total Aroclor concentrations were determined on a sample-specific basis by summing individual detected Aroclor concentrations. These results are presented in the COPC selection tables where applicable.

3.1.3 COPC Selected for the HHRA

COPC for the tax blocks were selected for surface and subsurface soil using the COPC screening levels described in the preceding narrative. COPC selection was based on samples from all blocks (i.e., Blocks D, E, F, G, and H) combined to produce a list of “global” COPC. Global COPC were further evaluated on a block-specific basis as part of the quantitative risk assessment based on whether the COPC were detected in a specific block, consistent with the global COPC

screening process. Using the global COPC screening process avoids having to evaluate and assign surrogate concentration values (e.g., SQLs) to global COPC that were never detected in the block considered. A discussion of the chemicals identified as global COPC and the rationale for their selection as global COPC is provided in the following subsections. Global COPC-selection tables for surface and subsurface soil are presented in Tables 3-17 through 3-20. Global COPC-selection for the deep subsurface soils (not evaluated quantitatively in the HHRA) is presented in Table 3-21. Chemicals retained as global COPC for the tax blocks are presented in Table 3-22. The *RAGS Part D* tables for COPC selection are in Appendix D.

3.1.3.1 Surface Soil (0–2 Feet Below Grade)

Thirty VOCs, 12 SVOCs, 17 PAHs, three pesticides, three PCBs, 19 metals, petroleum hydrocarbon compounds, methyl mercury, and hexavalent chromium were detected in the surface soil samples listed in Tables 3-1 through 3-5. A comparison of the maximum detected surface soil concentrations to screening levels (based on MDE cleanup levels, RSLs, and $SSLs_{air}$) is presented in Table 3-17. The following chemicals were detected in surface soils at maximum concentrations exceeding the direct-contact risk-based COPC screening-levels and were retained as COPC for surface soil:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene
- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(b+k)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene
- ***PCBs:*** Aroclor-1254, Aroclor-1260, and total Aroclor
- ***Metals:*** antimony, arsenic, cadmium, cobalt, iron, lead, manganese, mercury, molybdenum, nickel, and vanadium
- ***Petroleum hydrocarbons:*** DRO and GRO
- ***Miscellaneous parameters:*** hexavalent chromium

No COPC screening levels based on MDE cleanup standards or USEPA RSLs are available for 1,2,3-trimethylbenzene, n-butylbenzene, tertiary-butyl alcohol, di-n-octyl-phthalate, dimethyl phthalate, and the TPH ranges TPH C09-C36 and TPH C10-C32. Chemicals lacking screening criteria were qualitatively evaluated in the uncertainty analysis (see Section 5).

Also in Table 3-17, the maximum detected surface soil concentrations are compared to USEPA SSLs for chemical migration from soil to outdoor air. Concentrations reported for all chemicals except 1,2,4-trichlorobenzene are less than USEPA SSLs for soil to air. Since the maximum detected concentration of this chemical exceeds the SSL for contaminant migration from soil to air, receptor exposure through inhalation of fugitive dusts and VOCs was evaluated.

A comparison of the maximum detected surface soil concentrations to USEPA SSLs for chemical migration from soil to groundwater is presented in Table 3-18. The following chemicals were detected in surface soil at maximum concentrations exceeding the COPC screening-levels for migration from soil to groundwater and were retained as global COPC for surface soil in the tax blocks:

- ***VOCs:*** 1,1-dichloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, ethylbenzene, methylene chloride, naphthalene, tetrachloroethene, and trichloroethene
- ***SVOCs:*** carbazole and dibenzofuran
- ***PAHs:*** 1-methylnaphthalene, 2-methylnaphthalene, benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(b+k)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***Pesticides/PCBs:*** Aroclor-1242, Aroclor-1254, Aroclor-1260, beta-BHC, and total Aroclor
- ***Metals:*** antimony, arsenic, cadmium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, and silver
- ***Miscellaneous parameters:*** hexavalent chromium

The potential for chemical migration from soils to groundwater is more fully evaluated in Section 4.

3.1.3.2 Shallow Subsurface soil (Greater than 2–10 Feet Below Grade)

Thirty-six VOCs, 11 SVOCs, 18 PAHs, two pesticides, two PCBs, 19 metals, petroleum hydrocarbons, methyl mercury, and hexavalent chromium were detected in the shallow subsurface soil samples listed in Tables 3-6 through 3-10. A comparison of the maximum detected subsurface soil concentrations to screening levels (based on MDE cleanup levels and

USEPA RSLs) is presented in Table 3-19. The following chemicals were detected in shallow subsurface soils at maximum concentrations exceeding the direct-contact risk-based COPC screening-levels and were retained as global COPC for shallow subsurface soil:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and naphthalene
- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***PCBs:*** Aroclor-1254, Aroclor-1260, and total Aroclor
- ***Metals:*** arsenic, cobalt, iron, lead, manganese, mercury, and vanadium
- ***Petroleum hydrocarbons:*** DRO and GRO
- ***Miscellaneous parameters:*** hexavalent chromium

No COPC screening levels based on MDE cleanup standards or USEPA RSLs are available for 1,2,3-trimethylbenzene, 4-isopropyltoluene, n-butylbenzene, sec-butylbenzene, tertiary-butyl alcohol, di-n-octyl phthalate, dimethyl phthalate, TPH C09-C36, and TPH C10-C32. Chemicals lacking screening criteria were qualitatively evaluated in the uncertainty analysis (see Section 5). Table 3-19 also compares the maximum detected shallow subsurface-soil concentrations to the USEPA SSLs for chemical migration from soil to air. Concentrations reported for 1,2,4-trichlorobenzene, naphthalene (analyzed as a VOC), and naphthalene (analyzed as PAH) exceed USEPA SSLs for soil to air. Consequently, receptor exposure through inhalation of fugitive dusts and VOCs was evaluated.

Table 3-20 compares the maximum detected shallow–subsurface soil concentrations to MDE cleanup goals for groundwater protection and to USEPA SSLs for chemical migration from soil to groundwater. The following chemicals were detected in subsurface soil at maximum concentrations exceeding COPC screening-levels for migration from soil to groundwater and were retained as global COPC for subsurface soil in the tax blocks:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, acetone, benzene, carbon tetrachloride, chlorobenzene, ethylbenzene, m+p-xylenes,

methylene chloride, naphthalene, tetrachloroethene (PCE), total xylenes, trichloroethene (TCE), and vinyl chloride

- ***SVOCs:*** carbazole, dibenzofuran, and n-nitrosodiphenylamine
- ***PAHs:*** 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***Pesticides/PCBs:*** Aroclor-1254, Aroclor-1260, beta-BHC, and total Aroclor
- ***Metals:*** antimony, arsenic, cobalt, copper, iron, lead, manganese, nickel, selenium, and silver
- ***Miscellaneous parameters:*** hexavalent chromium

A more refined evaluation of the potential for chemical migration from soils to groundwater is provided in Section 4.

3.1.3.3 Deep Subsurface Soil (Greater than 10 Feet Below Grade)

The HHRA for the tax block soils assumes that direct human-contact with deep subsurface soils is very unlikely. Therefore, risk estimates are not presented for direct contact with this medium. However, to be complete, Table 3-21 compares the maximum detected concentrations to the direct-contact COPC selection-criteria for soils. The maximum detected concentrations are not compared to USEPA SSLs for groundwater protection because the deep subsurface soils are in the saturated-soil zone. Any remediation of COPC in this zone would be based on contamination actually observed in groundwater, and not on contamination detected in deep, saturated soils.

Twenty-one VOCs, three SVOCs, 18 PAHs, one PCB (Aroclor-1260), 19 metals, petroleum hydrocarbons, and hexavalent chromium were detected in the deep subsurface soils. The following chemicals were detected at concentrations exceeding direct-contact COPC screening-levels:

- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene
- ***PCBs:*** Aroclor-1260
- ***Metals:*** arsenic, cobalt, iron, manganese, and vanadium

- ***Miscellaneous parameters:*** hexavalent chromium

The uncertainty analysis (Section 5) contains a more detailed qualitative evaluation of the global COPC selected for deep subsurface soil.

3.1.3.4 Summary

Table 3-22 summarizes the chemicals retained as global COPC for surface and subsurface soils at the tax blocks. *RAGS Part D* tables for COPC selection are included in Appendix D.

3.2 EXPOSURE ASSESSMENT METHODOLOGY

The exposure assessment component of an HHRA defines and evaluates, either quantitatively or qualitatively, the type and magnitude of human exposure to the chemicals at or migrating from a site. It is designed to depict the site's physical setting, to identify potentially exposed populations and applicable exposure pathways, to calculate concentrations of COPC to which receptors might be exposed, and to estimate chemical intakes under the identified exposure scenarios. Actual or potential exposures at a site depend on the most likely pathways of contaminant release and transport, as well as on patterns of human activity. A complete exposure pathway has four components: a source of chemicals that can be released to the environment, a route of contaminant transport through an environmental medium, an exposure or contact point for a human receptor, and an exposure route.

3.2.1 Conceptual Site Model

The HHRA includes a conceptual site-model (CSM) that identifies the exposure pathways by which human receptors may come in contact with study area soils. The CSM depicts the relationships among the following elements of a *complete* exposure pathway (i.e., a pathway that potentially results in human exposure and is evaluated [qualitatively or quantitatively] in an HHRA):

- site sources of contamination
- contaminant release mechanisms and transport/migration pathways
- exposure routes
- potential receptors

These CSM elements establish the manner and degree to which a potential receptor may be exposed to chemicals present at a site. The degree of risk incurred by a potential receptor varies

according to the means and duration of exposure and the specific chemical to which the receptor is exposed. An exposure, however long in duration, does not necessarily result in a regulatorily "unacceptable" health or environmental risk, although risks generally increase with increased frequency and/or duration of exposure.

Sources of possible contamination are discussed in Section 3.2.1.1. Sections 3.2.1.2 and 3.2.1.3 discuss contaminant release mechanisms and transport and migration pathways. Section 3.2.1.4 and Table 3-23 provide a site-specific summary of potential receptors and exposure pathways to be evaluated for the tax blocks. A summary of the exposure routes (addressed quantitatively for each human receptor) is provided in Table 3-24. Figure 3-1 illustrates the CSM for the tax blocks' HHRA.

3.2.1.1 Site Sources of Contamination

Tax Blocks D, E, F, G, and H share several common characteristics. For example, no surface water bodies cross or emanate and no wetlands have been identified in or around any of the Blocks. Additionally, excluding areas immediately adjacent to Cow Pen Creek and Dark Head Cove, surface water runoff discharges from the site via storm drains. Lockheed Martin maintains a State of Maryland NPDES permit (state discharge permit No.: 00-DP-0298, NPDES No.: MD0002852), issued by the MDE Industrial Discharge Permits Division, Water Management Administration. The permit covers storm-water discharge from the entire property rather than from individual tenants (Tetra Tech, 2006).

Finally, soil data collected from each block indicate that past activities have released contaminants to the surrounding environment. MRC site assessments indicate that a high percentage of site soils contain a very high clay and silt content, with poor surface drainage. The results of previous investigations are summarized in Section 2. See Section 2.3.3 for a detailed discussion of soil types at the MRC. Site-specific information for each block follows.

Block D is in the southeastern portion of MRC and is bounded by Wilson Point Road to the east, Chesapeake Park Plaza to the west, Dark Head Cove Road to the north, and Dark Head Cove to the south. PAH contamination in the soil at Block D may be associated with the asphalt paving or motor oil dripping from cars, or an alternative source such as urban fill may also be present, since elevated concentrations are found at depth. Detected concentrations of several metals, DRO, GRO, PAHs (represented as the BaPEq), and Aroclor-1260 in surface soil exceed their

respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO were detected at levels exceeding screening criteria.

Block E is in the southern portion of MRC and is bounded by Chesapeake Park Plaza to the east and south, Tilley Chemical Company to the west, and Block I to the north. Soil data collected from REC #1 (Former Building D) in Tax Block E indicate that past activities have released contaminants to the surrounding environment. Contamination may be the result of historical industrial operations in Former Building D, from the former UST or product line, or from use of the building foundation for storage or management of PCB-containing materials. Detected concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed soil-screening criteria. In subsurface soil, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, BaPEq constituents, naphthalene, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO exceed their respective screening criteria.

Block F is in the southern most portion of the MRC and is bounded by Chesapeake Park Plaza to the north, North American Electric, Inc., to the north-northwest, Cow Pen Creek to the west-southwest, and Dark Head Cove to the south-southeast. Block F has four RECs: REC #4 (Boat Launch Area), REC #5 (Former Aviation Fuel USTs), a portion of REC #6 (Waterfront Lot), and REC #13 (Former Boat Dock Area). RECs #4 and #5 are covered by a concrete tarmac forming the REC #4 boundary. REC #5 consists of seven USTs underneath the north central portion of the tarmac. REC #6 (Waterfront Lot) is a well-manicured, grassy strip between Chesapeake Park Plaza and Parking Lot No. 6 along the shore of Dark Head Cove. REC #13 (Former Boat Dock Area) is an open, relatively flat grassy parcel of land. REC #13 is covered with a well-maintained grass lawn with shrubs and trees growing thickly along the Cow Pen Creek shoreline. Severely degraded remnants of several walkways, parking areas, and a few foundations are still evident (Tetra Tech, 2006b). The topography and concrete tarmac at REC #4 most likely results in surface water runoff in this area discharging directly to Dark Head Cove as overland sheet-flow. Surface water runoff from the grassy areas will generally infiltrate into the underlying soil or discharge to Dark Head Cove or Cow Pen Creek as overland sheet flow.

Block F soil data indicate that past activities have released contaminants to the surrounding environment. Block F impacts may be the result of historical activities. Detected concentrations of BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO also exceed their respective screening criteria.

Block G is in the southwestern portion of the MRC, bounded by Chesapeake Park Plaza to the east, Cow Pen Creek to the west, North American Electric, Inc. to the south, and Block H to the north. Block G has two RECs: REC #11 (Former STP/Wind-Tunnel Test Building/Vibration-Test Building) and REC #12 (Southern Portion of Lot 3). The remaining portion of Parking Lot No. 3 is also included in Block G. Currently, REC #11 is an open, grassy area between Chesapeake Park Plaza and Cow Pen Creek, REC #12 is a gravel lot, and Parking Lot No. 3 is a flat parcel of land used for truck-trailer storage (Tetra Tech, 2006b).

Block G soil data indicate that past activities have released contaminants to the surrounding environment. Contamination may be the result of historical industrial operations that took place in this area, from USTs suspected to have been at this site or from items that may have been stored in Block G. Detected concentrations of BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO likewise exceed their respective screening criteria.

Block H, in the northwestern portion of the MRC, is bounded to the north by Eastern Boulevard, to the east by the industrial portion of the MRC (Block I), to the south by Parking Lot No. 3 (Block G), and to the west by Cow Pen Creek. Site soils consist of a heterogeneous mix of silty sands, fine-grained to medium-grained sands, and silty clay. The topography and the asphalt paving make it likely that surface water runoff in this area would discharge to Cow Pen Creek as overland sheet flow. Surface water runoff from the grassy areas will generally infiltrate the underlying soil or discharge to Cow Pen Creek as overland sheet flow.

Block H soil data indicate that past activities have released contaminants to the surrounding environment. Detected concentrations of BaPEq constituents, several metals, DRO, and GRO in

surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, DRO, and GRO likewise exceed their respective screening criteria.

3.2.1.2 Potential Contaminant Release Mechanisms and Transport Pathways

Chemicals may migrate within an environmental medium (e.g., soil) or migrate to another environmental medium (e.g., air) once released. This section discusses potential contaminant release mechanisms and transport pathways. Potential contaminant release mechanisms and transport pathways are nearly identical for Tax Blocks D, E, F, G, and H. For example, soil data collected in each Block indicate that past activities have released contaminants to the surrounding environment.

Contaminants in surface soil could migrate to air through wind erosion or through volatile emissions. Subsurface soil is not currently exposed in any of the tax blocks; however, if future construction were to bring subsurface soil to the surface, contaminants in subsurface soil could be transported into the air through wind erosion or through volatile emissions. Finally, at each tax block, contaminants can migrate from both surface and subsurface soil to groundwater through leaching of chemicals in the soil. Chemical migration from soil to groundwater for each block was evaluated and the results of those evaluations are in Section 4.

The primary differences in potential contaminant release mechanisms and transport pathways for the tax blocks relate to overland runoff and erosion. As previously mentioned, excluding areas immediately adjacent to Cow Pen Creek and Dark Head Creek, surface water runoff discharges from these sites via storm drains for which Lockheed Martin maintains a Maryland NPDES permit. Following are descriptions of overland runoff and erosion per tax block. Overland runoff and erosion can only be potential migration pathways if contaminated soil is disturbed and exposed.

Block D—If the parking lot was removed, overland runoff and erosion at the site could be a significant contaminant transport mechanism due to the site topography, which gently slopes from Eastern Boulevard to the southwest and south toward Cow Pen Creek and Dark Head Cove.

Block E—Surface soil contaminants are not expected to be transported to surface water bodies (i.e., Dark Head Cove or Cow Pen Creek) through overland runoff and erosion because of the distance between Block E and surface water bodies, the generally low relief site topography, and

because (apart from the foundations slabs and remnants of Former Building D) much of the site is vegetated, which facilitates infiltration and evapo-transpiration. Infiltration is therefore expected to dominate surface runoff.

Block F—Surface water runoff from the concrete tarmac of REC #4 would most likely discharge directly to Dark Head Cove as overland sheet flow. Surface water runoff from the grassy areas will generally infiltrate into the underlying soil or discharge to Dark Head Cove or Cow Pen Creek as overland sheet flow.

Block G—Overland runoff at the site may be a significant contaminant transport mechanism due to drainage systems and because Cow Pen Creek borders Block G. However, those drainage systems are permitted through NPDES. In vegetated areas, which facilitate infiltration and evapo-transpiration, infiltration is expected.

Block H—Overland runoff at the site may be a significant contaminant transport mechanism if contaminated soils become exposed, due to the topography of the site and asphalt paving.

3.2.1.3 Fate and Transport of Primary Site COPC in Soil

Brief overviews of the fate and transport of metals, PAHs, and PCBs in soil follow:

Metals—The fate and transport of inorganics (metals) are controlled mainly by the mobility of soil particles and their dissolution into water present in the immediate environment. Metals do not undergo the sort of degradation reactions that most organic chemicals do; therefore, they are considered persistent. The major fate mechanisms for metals are adsorption to the soil matrix and bioaccumulation.

The mobility of metals is influenced primarily by their physical and chemical properties, in combination with the physical and chemical characteristics of the soil matrix. Factors that help predict the mobility of inorganic species are the soil/pore water pH (a measure of hydrogen ion concentration), soil/pore-water Eh (redox potential relative to the Standard Hydrogen Electrode), and cation-exchange capacity. The mobility of metals generally increases with decreasing soil pH and cation-exchange capacity.

PAHs are fairly immobile chemicals in the environment. PAHs are large molecules with low solubilities, vapor pressures, and Henry's Law constants, and have high partitioning coefficients. PAHs in soil are much more likely to bind to soil and be transported via mass-transport mechanisms than through dissolution. These compounds, when found in the surface soil, generally do not migrate vertically to a great extent. Instead, they are more likely to adhere to soil particles and be removed from the site via surface water runoff and erosional processes, especially in the absence of pavement or if erosion controls are absent or not functioning properly.

PCBs are considered very persistent organic chemicals with a great affinity for particulates and organic matter (i.e., soil). However, PCBs may be mobilized via particulate transport due to erosion of contaminated surface soil. Site surfaces are mostly covered with impermeable materials where PCBs are located, so PCBs are likely not currently mobilized via particulate transport because they will not be exposed to surface water runoff.

3.2.1.4 Potential Current and Future Receptors of Concern and Exposure Pathways

Current land use in the MRC area is commercial/industrial and expected to remain so for the foreseeable future. However, a small portion of Block D, the Block D panhandle area, may be considered for donation to the community. Potential land use scenarios for the donated Block D panhandle area could include recreational land use. Note that this HHRA evaluated the entire Block D area as a whole. The area surrounding the MRC consists of suburban developments, industrial/commercial developments, and woodlands. Groundwater is not currently used as a source of potable or industrial water at the site, and such use is not anticipated. This HHRA considers receptor exposure under non-residential (e.g., industrial, recreational) land use scenarios. Although the site is unlikely to be used for residential purposes, residential land uses are also evaluated.

Current and/or potential/hypothetical future land uses suggest the following potential receptors could be exposed to impacted environmental media at the MRC:

- *Construction workers*—Construction workers are plausible on-site adult receptors under current and future land uses. Construction workers could be exposed to chemicals in surface and subsurface soils (0–2 feet below grade and 2–10 feet below grade, respectively) through incidental ingestion and dermal contact, and through inhalation of airborne contaminants emanating from soil. Groundwater in the study area is within approximately

10 feet of the ground surface. Direct contact with the deeper (saturated-zone) soils is assumed limited and, thus, direct contact with soils deeper than approximately 10 feet bgs will not be evaluated quantitatively. Such soils (i.e., the saturated-zone soils) will be evaluated qualitatively in the uncertainty analysis.

- *Industrial workers*—Industrial workers are plausible on-site adult receptors under current and future land uses. These receptors could be directly exposed to chemicals in surface soils (0–2 feet below grade) through incidental ingestion, dermal contact, and inhalation of airborne particulates and vapors emitted from the soil. Industrial-worker exposure to subsurface soil (2–10 feet below grade) is unlikely. Exposure to subsurface soil via incidental ingestion, dermal contact, and inhalation will, however, be evaluated for this receptor to aid in risk management decisions because future construction could potentially bring subsurface soils to the surface. This receptor is expected to be exposed to soils equally as often (but less intensely) than the construction worker.

- *Commercial land use receptors*—Commercial land use receptors (adults, adolescents, small children) include members of the general public, workers, and other expected users working at or patronizing a commercial facility. Commercial facilities include shopping centers, retail businesses, vehicle service stations, medical offices, hotels, office space, religious institutions, restaurants, or apartment buildings that have commercial use on the first floor. Such receptors may be exposed to possibly impacted surface soils (0-2 feet below grade) through incidental ingestion, dermal contact, and inhalation of chemicals emitted from soil to the air. To aid in future risk management decisions, we assumed that these receptors could also be exposed to contaminants in subsurface soil (2-10 feet below grade) because future construction could redistribute subsurface soil to the surface.

- *Child, adolescent, and adult recreational users*—Recreational users are potential receptors of study area contaminants. A recreational user may be exposed to possibly impacted surface soils (0–2 feet below grade) through incidental ingestion, dermal contact, and inhalation of chemicals emitted from soil to the air. To aid in future risk management decisions, recreational users were evaluated for risks to subsurface soil (2-10 feet below grade) because future construction could redistribute subsurface soil to the surface.

- *Future child, adolescent, and adult residents*—The hypothetical future residential scenario is typically evaluated in a risk assessment to facilitate risk management decisions. We assume that a hypothetical resident may be exposed to chemicals in surface soils (0–2 feet below grade) through ingestion, dermal contact, and inhalation of chemicals emitted from soil to air. To aid in risk management decisions, hypothetical residents will also be evaluated for risks posed by exposure to subsurface soil (2–10 feet below grade), since future construction could potentially redistribute subsurface soil to the surface.

3.2.2 Central-Tendency Exposure versus Reasonable Maximum Exposure

Traditionally, exposures evaluated in an HHRA were based on the concept of a reasonable maximum exposure (RME), defined as “the maximum exposure that is reasonably expected to

occur at a site" (USEPA, 1989). Subsequent risk assessment guidance (USEPA, 1992) stipulates the need address an average case or central-tendency exposure (CTE). However, in this HHRA, only the RME scenario was evaluated because the RME scenario is designed to estimate the reasonable maximum exposure likely to occur, is more conservative than the CTE scenario, and is typically the basis of risk management decision-making.

3.2.3 Exposure-Point Concentrations

EPC, calculated for COPC only (both site-related and naturally occurring) are estimates of chemical concentrations in an exposure unit (EU); EPCs are used to estimate exposure intakes. An EU is the area over which receptor activity is expected. The following paragraphs discuss the EUs that will be evaluated in the HHRA, and the guidelines for calculating EPCs.

Each tax block was evaluated as a single EU. However, hypothetical future residential and industrial worker exposures to impacted soils were also evaluated on a location-by-location basis to determine if a tax block has any significant contaminant "hot spots." The additional evaluation for the industrial worker was done because the future land use for the study area is most likely to be commercial/industrial. The additional evaluation for the hypothetical resident was conducted because this is the most sensitive and restrictive receptor (e.g., at some sites, exposure units as small as 0.25 acre have been selected for this receptor). The results of the location-by-location risk assessment are discussed in Section 4. The following guidelines were used to calculate EPCs for COPC concentrations in each tax block (or sub-area of a tax block):

- For soil data sets containing at least five samples, the 95% upper confidence-limit (UCL) on the arithmetic mean, which is based on the distribution of the data set, was selected as the EPC unless the UCL value exceeded the maximum detected concentration. In this case, the maximum detected concentration was used as the EPC. The maximum concentration was also used as the EPC if an insufficient number of detections (i.e., less than four positive detections in a data set) to calculate a 95% UCL were obtained, in accordance with USEPA guidance (USEPA, 2010c). EPCs were calculated according to USEPA's *Calculating Upper Confidence-Limits for Exposure-Point Concentrations at Hazardous Waste Sites* (USEPA, 2002b) and using USEPA's *ProUCL* software (USEPA, 2010c).

- The sample quantitation-limit was used as an input for non-detects in USEPA's *ProUCL* software to calculate the 95% UCL in accordance with *ProUCL* guidance (USEPA, 2010c). Duplicates were averaged to calculate the EPC for COPC in soils in the study area.

- Naphthalene was selected as a global COPC for subsurface soil in both the VOC and PAH fractions. EPCs were calculated for naphthalene results included in both fractions. The greater EPC for naphthalene (in either the VOC or PAH fraction) was included in the quantitative risk assessment for each specific block. Uncertainty associated with this method is discussed in the uncertainty analysis.

In accordance with USEPA's *Integrated Exposure Uptake Biokinetic (IEUBK) Model* (USEPA, 1994, 2009b) and their Technical Review Workgroup's (TRW) *Adult Lead Model* (USEPA, 2003b), average lead concentrations were used to estimate blood-lead levels resulting from exposure to lead. This is because the first step in the model calculations is to develop a central estimate of blood-lead concentrations, which requires an "appropriate average concentration" for an individual. Table 3-25 summarizes EPCs used in this HHRA.

Tables 3-1 through 3-10 list the samples used to calculate EPCs, except for some BaPEq constituents results from a few historical samples. Several sampling locations were resampled for BaPEq constituents because historical sampling results had elevated detection limits for these compounds. The uncertainty analysis discusses the samples affected, the methodology for selecting sampling results, and the uncertainty associated with these particular BaPEq sampling results. The *RAGS Part D* tables for the EPCs are in Appendix D.

3.2.4 Chemical Intake Estimation

Methodologies and techniques for estimating exposure intakes are presented in this section. Intakes for the potential receptor groups identified were calculated using current MDE and USEPA risk assessment guidance and are presented in the risk assessment spreadsheets (see Appendix D). Exposure assumptions are presented in the *RAGS Part D* Table 4s and in Table 3-26.

Noncarcinogenic intakes are typically estimated using the concept of an average annual exposure. Carcinogenic intakes are calculated as an incremental lifetime-exposure, which assumes a life expectancy of 70 years. The exposure assumptions reflect current MDE guidance (State of Maryland, 2008). Most of the exposure assumptions used to estimate chemical intakes are based on default assumptions described in the MDE (State of Maryland, 2008) guidance document, the primary guidance used to develop exposure assumptions. Several USEPA guidance documents (e.g., USEPA, 1989, 1991, 1993a, 1997a, 2004a) were also consulted, as

necessary. The following paragraphs discuss the non-default, receptor-specific exposure assumptions used in the risk assessment.

3.2.4.1 Incidental Ingestion of Soil

Direct physical contact with soil in the study area may result in the incidental ingestion of chemicals. Chemical intakes for the incidental ingestion of soil are estimated as follows (USEPA, 1989):

$$\text{Intake} = \frac{(C_s)(IR)(FI)(EF)(ED)(CF)}{(BW)(AT)}$$

where:

Intake	=	chemical intake from soil (mg/kg/day)
C_s	=	chemical concentration in soil (mg/kg)
IR	=	ingestion rate (mg/day)
FI	=	fraction ingested from contaminated source (dimensionless)
EF	=	exposure frequency (days/yr)
ED	=	exposure duration (yr)
CF	=	conversion factor (1×10^{-6} kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days) for noncarcinogens, AT = ED×365 days/yr for carcinogens, AT = 70 yr×365 days/yr

Most of the exposure assumptions used to estimate chemical intakes from incidental ingestion of soil are based on default assumptions described in the MDE guidance. They are summarized in Table 3-26. The following paragraph briefly discusses the receptor-specific exposure assumptions (for incidental ingestion of soil) used in the HHRA.

The exposure frequency assumptions selected consider anticipated receptor activities at the study area. We assume that construction workers assigned to future excavation projects in the study area would be exposed to soil for 250 days a year for one year. We also assume that the site

recreational user would be exposed for 250 days/year, and that child/adolescent commercial receptors would be exposed 132 days/year (State of Maryland, 2008).

3.2.4.2 Dermal Contact with Soil

Direct physical contact with soil may result in dermal absorption of chemicals. Exposure associated with dermal contact with soil is estimated as follows (USEPA, 2004a):

$$\text{Intake} = \frac{(C_s)(SA)(AF)(ABS)(CF)(EF)(ED)}{(BW)(AT)}$$

where:

Intake	=	amount of chemical absorbed during contact with soil (mg/kg/day)
C_s	=	chemical concentration in soil/sediment (mg/kg)
SA	=	skin surface area available for contact (cm^2)
AF	=	skin adherence factor (mg/cm^2-event)
ABS	=	absorption factor (dimensionless)
CF	=	conversion factor (1×10^{-6} kg/mg)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (year)
BW	=	body weight (kg)
AT	=	averaging time (days) for noncarcinogens, AT = ED×365 days/year for carcinogens, AT = 70 years×365 days/year

Most of the exposure assumptions used to estimate chemical intakes from dermal contact with soil are based on the default assumptions described in the standard MDE guidance. They are summarized in Table 3-26. The following paragraph briefly discusses the receptor-specific exposure assumptions (for dermal contact with soil) used in the HHRA. The same exposure frequencies and durations recommended for evaluating incidental ingestion of soil are used to estimate chemical intakes for dermal contact with soil.

The exposed skin surfaces of the body available for dermal contact with soils are determined on a receptor-specific basis, since they correspond with assumed human activities and clothing worn during exposure events. All of the skin surface areas presented in Table 3-26 are based on MDE default values, and most of these are also USEPA default values. For adolescent receptors, the skin surface area available for soil contact is set at 4,320 cm^2 (based on Maryland guidance; see State of Maryland, 2008).

For chemicals identified as COPC in soil, the chemical specific dermal absorption factors in *RAGS Part E* were used to evaluate the COPC for soil. USEPA Region 3 dermal guidance (USEPA Region 3, 2003a) was consulted if chemical specific absorption factors are not available in *RAGS Part* E. Dermal-absorption factors used in this risk assessment are presented in Table 3-27.

3.2.4.3 Inhalation of Air Containing Fugitive Dust/Volatiles Emitted from Soil

Intakes of both particulates and vapors/gases are calculated using the same equation, as follows (USEPA, 2009a):

$$EC = \frac{(C_{air})(ET)(EF)(ED)}{AT \times 24\ hrs/day}$$

where:

EC = exposure concentration (mg/m^3)

C_{air} = concentration of chemical in air (mg/m^3)

ET = exposure time (hours/day)

EF = exposure frequency (days/yr)

ED = exposure duration (yr)

AT = averaging time (days)
for noncarcinogens, AT = ED×365 days/year
for carcinogens, AT = 70 years×365 days/year

Most of the exposure assumptions used to estimate chemical intakes from inhalation of fugitive dusts/volatile emissions from surface and subsurface soils are based on default assumptions described in the Maryland guidance or the standard USEPA guidance and are summarized in Table 3-26. The same exposure frequencies and durations used to estimate incidental ingestion of soil intakes are used to estimate exposure via inhalation of fugitive dust/volatile emissions for surface and subsurface soils.

The concentrations of chemicals in air resulting from emissions from soil are developed following procedures presented in USEPA *Soil Screening Guidance* (USEPA, 2002a). The chemical concentration in air is calculated from:

$$C_{air} = C_{soil} \times \left[\frac{1}{PEF} + \frac{1}{VF} \right]$$

where:

C_{air} = chemical concentration in air, mg/m^3

C_s = chemical concentration in soil, mg/kg

PEF = particulate emission factor, m^3/kg

VF = volatilization factor, m^3/kg

The particulate emissions factor (PEF) relates the concentration of the chemical in soil to the concentration of dust particles in air. A PEF value of $3.23 \times 10^{+9}$ m^3/kg was obtained from USEPA's soil-screening Web site (http://rais.ornl.gov/epa/ssl1.shtml). This is the default value for Philadelphia, Pennsylvania, which is the closest city to the MRC listed on the web site. A separate PEF is used for the construction scenario because air emissions resulting from fugitive dust emissions at non-construction settings differ from dust emissions generated by construction. The PEF for construction workers ($1.43 \times 10^{+6}$ m^3/kg) was calculated using the equations presented in the supplemental SSL guidance document (USEPA, 2002a). Sample calculations showing how the PEFs were calculated are presented in Appendix D.

Ambient air concentrations resulting from the volatilization of COPC from soil are chemical dependent and are calculated using the following equation from USEPA's soil-screening guidance:

$$VF = \frac{Q/C \times (3.14 \times D_a \times T)^{0.5} \times 10^{-4} \ (m^2 / cm^2)}{(2 \times \rho_b \times D_a)}$$

and

$$D_a = \frac{[(\theta_a^{10/3} \times D_i \times H' + \theta_w^{10/3} \times D_w)/n^2]}{\rho_b \times K_d + \theta_w + \theta_a \times H'}$$

where:

VF = volatilization factor (m^3-air/kg-soil)

Q/C = inverse of the mean concentration at the center of source (gm/m^2-sec per kg/m^3)

D_a = apparent diffusivity, chemical specific, (cm^2/sec)

T = exposure interval, exposure-specific, (sec)

ρ_b = dry bulk-soil-particle density (g/cm^3)

θ_a = air-filled-soil porosity (L_{air}/L_{soil})

D_i = diffusivity in air, chemical specific, (cm^2/sec)

n = total soil porosity (L_{pore}/L_{soil})

θ_w = water-filled-soil porosity (L_{air}/L_{soil})

D_w = diffusivity in water, chemical specific, (cm^2/sec)

K_d = soil-water-partition coefficient, chemical specific

H' = dimensionless Henry's Law constant, chemical specific

Chemical properties were obtained from the current USEPA RSL table and are presented in Table 3-28. Input assumptions for the calculation of VF are in Table 3-29.

3.2.4.4 Assessing Cancer Risks from Early Life Exposures

USEPA's *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) recommends adjusting the toxicity of carcinogenic chemicals that act mutagenically when evaluating early life exposures to such contaminants. The guidance recommends using age-dependent adjustment factors (ADAFs) in concert with age-specific exposure estimates when assessing cancer risks. Absent chemical specific data, the supplemental guidance recommends the following default adjustments, which reflect that cancer risks are generally higher from early life exposures than from similar exposures later in life:

- for exposures before two years of age (i.e., spanning a two-year interval from the first day of birth until a child's second birthday), a 10-fold adjustment
- for exposures between age two and less than 16 years of age (i.e., spanning a 14-year time interval from a child's second birthday until their sixteenth birthday), a three-fold adjustment
- for exposures after reaching 16 years of age, no adjustment

These adjustments were applied using the same method as that used by USEPA to develop the RSLs. Children will be evaluated in two age groups: ages 0–2 and 2–6 years old. Adolescents will be evaluated as two age groups: 6–16 and 16–18 years old. Adults (except for the adult commercial receptor, industrial worker, and construction worker) will be evaluated as one age group (18–30 years old). (For the adult commercial and industrial receptors, the MDE default exposure-duration of 25 years was used. A one-year exposure duration was used for the construction worker. No ADAFs are applied to these receptors.) Using this approach, the intakes for child and adolescent commercial receptors; child, adolescent, and adult recreational users; and hypothetical child, adolescent, and adult residents are calculated as follows:

$$\text{Intake}_{\text{Child}} = \text{Intake}_{(\text{ages 0—2 years})} \times 10 + \text{Intake}_{(\text{ages 2—6 years})} \times 3$$

$$\text{Intake}_{\text{Adolescent}} = \text{Intake}_{(\text{age 6—16 years})} \times 3 + \text{Intake}_{(\text{age 16—18 years})} \times 1$$

$$\text{Intake}_{\text{Adult}} = \text{Intake}_{(\text{ages 18—30 years})} \times 1$$

This approach is used only for chemicals identified as mutagenic in the USEPA RSL screening table (e.g., BaPEq constituents, hexavalent chromium).

Risks to receptors involving different age groups are sums of the cancer risks calculated for individual children, adolescents, and adult receptors. Therefore, lifelong cancer risks from chemicals that act via the mutagenic pathway are assessed through the lifelong recreational user, lifelong commercial receptor, and lifelong resident receptor scenarios. Note that "lifelong" cancer risks for commercial receptors were evaluated by summing the child and adolescent receptors only, since the MDE default exposure duration of 25 years was used for the adult commercial receptor, as explained above.

3.2.4.5 Exposure to Lead

The equations and methodology presented in the previous section cannot be used to evaluate exposure to lead because of the absence of published dose-response parameters. Thus, exposure to lead was assessed using the following models:

- the latest version of USEPA's *IEUBK Model for Lead*, (USEPA, 2009b), a model typically used to evaluate lead exposure assuming a residential land use scenario
- USEPA's *TRW Model for Lead* (USEPA, January 2003b; model version date: 06/21/2009), a model typically used to evaluate lead exposure assuming a non-residential land use scenario

The IEUBK model for lead (USEPA, 1994, 2009b) is designed to estimate blood levels of lead in children under seven, based on either default or site-specific input values for air, drinking water, diet, dust, and soil exposure. Studies indicate that infants and young children are extremely susceptible to adverse effects from exposure to lead. Considerable behavioral and developmental impairments have been noted in children with elevated blood lead levels. The threshold for toxic effects from this chemical is believed to be in the range of 10–15 micrograms per deciliter (µg/dL). Blood lead levels greater than 10 µg/dL are considered a "concern."

The IEUBK model for lead is used to address exposure to lead in children when detected soil concentrations exceed the OSWER soil screening level of 400 mg/kg for residential land use (USEPA, 1994). Average chemical concentrations, as well as default parameters for some input parameters, are used in the evaluation. Lead concentrations in soil data sets for each tax block are evaluated qualitatively in Section 4 to determine if using the IEUBK model would be necessary in the HHRA.

Non-residential adult exposures to lead in soil are evaluated using USEPA's TRW model for lead (USEPA, 2003a, 2009c). In this model, adult exposure to lead in soil is addressed by evaluating the relationship between lead concentration in site soil and the blood lead concentration in the developing fetuses of adult women. The adult lead model generates a spreadsheet for each exposure scenario evaluated (i.e., industrial, recreational). The spreadsheet output is the probability that blood lead concentrations in the fetus will exceed 10 µg/L. That probability is calculated in accordance with the following USEPA guidelines:

- *Use of the TRW Interim Adult Lead Methodology in Risk Assessment* (USEPA, 1999)
- *Frequently Asked Questions (FAQs) on the Adult Lead Model* (USEPA, 2010b)

Lead concentrations in soil data sets for each tax block are evaluated qualitatively in Section 4 to determine if using the adult lead model would be necessary in the HHRA.

No models are currently available to evaluate periodic exposure of adolescent receptors to lead. Therefore, the results of the IEUBK model for children are used to qualitatively assess this receptor's exposure risk. If the evaluation in Section 4 determines that using the IEUBK model for lead is necessary for the study area, a qualitative discussion for adolescent exposures to lead in soil will assert that potential adverse effects from exposure to lead are expected to be of lesser magnitude for adolescent receptors than for young children.

3.2.4.6 Summary of Exposure Parameters

Table 3-26 summarizes exposure input-parameters for all exposure pathways for identified potential receptor groups in the study area. In general, standard default parameters from MDE guidance (State of Maryland, 2008) or USEPA guidance (e.g., USEPA, 1989, 1991, 1997a, 2004a), which combine mid-range and upper-end exposure factors, were used to assess RME conditions. Central-tendency exposure was not assessed in this HHRA.

3.3 TOXICITY ASSESSMENT

The toxicity assessment seeks to identify potential adverse health effects in exposed populations. Quantitative estimates of the relationship between the magnitude and type of exposures and the severity or probability of human health effects are defined for the identified constituents of concern (see Tables 3-30 through 3-33). Quantitative toxicity values determined during this

component of the risk assessment are integrated with exposure-assessment outputs to characterize the potential occurrence of adverse health effects for each receptor group.

The reference dose (RfD) is the toxicity value used to evaluate noncarcinogenic health effects for ingestion and dermal exposures. The reference concentration (RfC) is used to evaluate noncarcinogenic health effects for inhalation exposures. The RfD and RfC estimate a daily exposure level for a human population that is unlikely to pose an appreciable risk during a portion or for all of a human lifetime. It is based on a review of animal and/or human toxicity data with adjustments for various data uncertainties. Carcinogenic effects are quantified using the cancer slope-factor (CSF) for ingestion and dermal exposures, and using inhalation-unit risks (IURs) for inhalation exposure that are plausible upper-bound estimates of the probability of developing cancer per unit intake of the chemical over a lifetime. These are typically based on dose-response data from human and/or animal studies.

3.3.1 Toxicity Criteria for Oral and Inhalation Exposures

Oral RfDs and CSFs and inhalation RfCs and IURs used in the risk assessment of the study area were obtained from the following primary USEPA sources (USEPA, 2003c):

- ***IRIS*—**USEPA's "Integrated Risk Information System" online database
- ***USEPA's* Provisional Peer Reviewed Toxicity Values *(PPRTVs)*—**USEPA's Office of Research and Development/National Center for Environmental Assessment (NCEA) Superfund Health Risk Technical Support Center develops chemical specific PPRTVs when requested by USEPA's Superfund program
- ***Other toxicity values*—**These sources include, but are not limited to, California Environmental Protection Agency (Cal/EPA) toxicity values, federal Agency for Toxic Substances and Disease Registry (ATSDR) values, and USEPA's *Annual Health Effects Assessment Summary Tables* (HEAST) (USEPA, 1997b)

Although toxicity criteria can be found in several toxicological sources, USEPA's *IRIS* online database is the preferred source of toxicity values. This database is continuously updated and its values are verified by USEPA.

3.3.2 Toxicity Criteria for Dermal Exposure

RfDs and CSFs in the scientific literature are typically expressed as "administered" (i.e., not absorbed) doses. Therefore, these values are considered inappropriate for estimating risks

associated with dermal exposures without adjustment to account for incomplete absorption. Oral dose-response parameters based on administered doses must be adjusted to absorbed doses before they can be compared to estimated dermal-exposure intakes.

When oral absorption is essentially complete (i.e., 100%), an absorbed dose is equivalent to the administered dose, so no toxicity adjustment is necessary. Conversely, when the gastrointestinal absorption of a chemical is poor (e.g., 1%), the absorbed dose is smaller than the administered dose; thus, toxicity factors based on absorbed dose should be adjusted to account for the difference in the absorbed dose relative to the administered dose. USEPA (2004a) recommends a 50% absorption cut-off to reflect the intrinsic variability in analyzing absorption studies. Therefore, the adjustment from administered to absorbed dose was only performed when the chemical specific gastrointestinal-absorption efficiency was less than 50%. The adjustment from administered to absorbed dose was made using chemical specific gastrointestinal-absorption efficiencies published in numerous sources of guidance (e.g., USEPA 2004a [the primary reference], *IRIS*, ATSDR toxicological profiles, etc.), using the following equations:

$$RfD_{dermal} = (RfD_{oral})(ABS_{GI})$$

$$CSF_{dermal} = (CSF_{oral}) \ / \ (ABS_{GI})$$

where:

ABS_{GI}	=	absorption efficiency in the gastrointestinal tract
RfD_{dermal}	=	reference dose for dermal exposures
RfD_{oral}	=	reference dose for oral exposures
CSF_{dermal}	=	cancer slope-factor for dermal exposures
CSF_{oral}	=	cancer slope-factor of oral exposures

As noted, the preceding adjustment of the oral-toxicity criteria (i.e., reference doses, cancer slope-factors) is necessary so that the dermal route of exposure may be quantitatively evaluated in the baseline risk assessment. Further explanation of this procedure and its necessity are presented in Appendix A of USEPA *RAGS Part A.*

3.3.3 Inhalation Toxicity Values for Construction Workers

Under the guidelines established by the Superfund program, exposures to construction workers of one year or less are classified as subchronic exposures. Risks for noncarcinogenic effects associated with subchronic exposures should incorporate toxicity values for subchronic and not chronic effects. Table 3-31 displays the available subchronic RfCs that were used for the construction worker. Uncertainty associated with the lack of subchronic RfCs for many chemicals is discussed in Section 5.3.

3.3.4 Chromium Toxicity

Toxicity criteria are available for different forms of chromium, which is considered more toxic in the hexavalent state. In the USEPA's most recent RSL table, hexavalent chromium is listed as a carcinogen that has been determined to act "mutagenically" and the corresponding RSL for residential soil is less than 1 mg/kg. USEPA's *Guidelines for Carcinogen Risk Assessment* (USEPA, 2005a) and *Supplemental Guidance on Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) specify the use of ADAFs for carcinogens, such as chromium, that act mutagenically. In contrast, the RSL for residential soil for trivalent chromium (not listed as a carcinogen/mutagen) is 120,000 mg/kg. The following table provides the number of hexavalent chromium and total chromium samples collected for each block:

Tax block	Medium	Number of hexavalent chromium results	Number of total chromium results
Block D	SS	15	29
	SB	60	90
Block E	SS	0	29
	SB	0	54
Block F	SS	8	32
	SB	2	35
Block G	SS	0	14
	SB	5	24
BlockH	SS	1	11
	SB	5	22

The table shows that a limited number of environmental samples collected for Tax Blocks E, F, G, and H were analyzed for hexavalent chromium. However, a number of samples from Block D were also analyzed for hexavalent chromium. Hexavalent chromium was selected as a COPC for surface soil and subsurface soil.

The limited number of hexavalent chromium results available for the tax blocks led to risks associated with chromium being assessed under the assumption that 5% of the reported total chromium result in soil can be attributed to hexavalent chromium. This assumption is based on the available analytical results of total and hexavalent chromium concentrations in study area soil. Using 5% of the total chromium concentration as the hexavalent chromium concentration is conservative, since available hexavalent chromium results in the study area soil indicate that hexavalent chromium, when detected, is most often much less than 5% of the total chromium result in soil.

As discussed in the uncertainty section, this overestimates the risks of exposure to chromium, but does not affect overall HHRA conclusions. No chemical-specific ADAFs have been derived for hexavalent chromium; therefore, the following default ADAFs were used: 10 for ages 0–2, 3 for ages 2–16, and 1 (no adjustment) for ages 16–70. These ADAFs were used to evaluate exposures to hexavalent chromium for commercial receptors, recreational users, and hypothetical residents using the approach presented in Section 3.2.4.4.

3.3.5 Toxicity of PCBs

The HHRA for PCBs was conducted per the guidance presented in USEPA's *PCBs: Cancer Dose Response Assessment and Application to Environmental Mixtures* (National Center for Environmental Assessment, Office of Research and Development, USEPA, Washington, D.C., EPA/600/P-96/001F, September 1996b). This guidance presents a tiered approach to assessing the risks of PCBs. A range of CSFs for PCBs is presented for use in HHRA according to criteria that consider the environmental media under investigation, the type of exposure, and the anticipated persistence, bioaccumulation potential, and toxicity of PCB homologues/congeners detected in the samples.

3.3.6 Toxicity Criteria for the Carcinogenic Effects of PAHs

Limited toxicity values are available to evaluate the potential carcinogenic effects from exposure to PAHs. Benzo(a)pyrene is the most extensively studied PAH and the USEPA has published a cancer slope factor for this PAH in its Integrated Risk Information System (USEPA, 1993b). However, cancer slope factors have not been published in IRIS for other PAH compounds. Alternatively, for a sub-set of related PAH chemicals (benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a)anthracene, indeno(1,2,3-cd)pyrene), USEPA recommends that risk evaluations be conducted using the toxicity-equivalency factors (TEFs) that are used by the Agency to relate the potency of each of these PAHs to that of benzo(a)pyrene (USEPA, 1993b). Specifically, the TEFs are used to convert the individual PAH concentrations into an equivalent concentration of benzo(a)pyrene, referred to as the benzo(a)pyrene equivalent concentration (BaPEq). For example, the TEF currently used by the USEPA to develop the screening levels presented for chrysene in the USEPA Regional Screening Level table is 0.001 (USEPA, 2011, USEPA, 1993). Consequently, if the detected chrysene concentration in a sediment sample is 10,000 µg/kg, the benzo(a)pyrene equivalent concentration is 10 µg/kg. If benzo(a)pyrene and chrysene were the only PAHs detected in a sample and each was detected at 10,000 µg/kg, the associated benzo(a)pyrene equivalent concentration (based on positive detections only) would be 10,010 µg/kg (10,000 µg/kg for benzo(a)pyrene and 10 µg/kg for chrysene). This equivalent concentration, calculated for each sample, is then further evaluated in the risk assessment.

As discussed above, USEPA's *Guidelines for Carcinogen Risk Assessment* (USEPA, 2005a) and *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) specify the use of ADAFs for carcinogens that act mutagenically. BaPEq constituents are included in the group of chemicals determined to act mutagenically. No chemical specific ADAFs have been derived for BaPEq; therefore, the following default ADAFs were used: 10 for ages 0–2, 3 for ages 2–16, and 1 (no adjustment) for ages 16–70. These ADAFs are used to evaluate exposures to BaPEq for commercial receptors, recreational users, and hypothetical residents using the approach presented in Section 3.2.4.4.

3.4 RISK CHARACTERIZATION

This section presents the methodology used to characterize risk. Potential risks (noncarcinogenic and carcinogenic) for human receptors from exposures (as outlined in the exposure assessment) are quantitatively determined in Section 4.

3.4.1 Quantitative Analysis of Constituents Other Than Lead

Quantitative estimates of risk for chemicals other than lead are calculated according to risk assessment methods outlined in USEPA guidance (USEPA, 1989). Lifetime cancer risks are expressed in the form of dimensionless probabilities referred to as ILCRs, based on CSFs and IURs. Noncarcinogenic risk estimates are presented in the form of HQs, which are determined by comparing intakes against published RfDs and RfCs. ILCR estimates for ingestion and dermal exposures were generated for each COPC using estimated exposure intakes and published CSFs, as follows:

$$\text{ILCR} = (\text{Estimated Exposure Intake})(\text{CSF})$$

If the equation above produces an ILCR greater than 0.01, the following equation was used:

$$\text{ILCR} = 1\text{-}[\exp(\text{-Estimated Exposure Intake})(\text{CSF})]$$

ILCR estimates of inhalation exposures are generated for each COPC using estimated exposure concentrations and published IURs, as follows:

$$\text{ILCR} = (\text{IUR})(\text{Exposure Concentration})(1000\ \mu\text{g/mg})$$

An ILCR of 1×10^{-6} indicates that the exposed receptor has a one in a million chance of developing cancer under the defined exposure scenario. Alternatively, such a risk may be interpreted as representing one additional case of cancer in an exposed population of one million persons.

Noncarcinogenic risks will be assessed using the concept of HQs and hazard indices (HIs). The HQ for a COPC is the ratio of the estimated intake to the RfD, and is calculated for ingestion and dermal exposures as follows:

$$\text{HQ} = (\text{Estimated Exposure Intake})/(\text{RfD})$$

For inhalation exposures, the HQ is calculated as follows:

$$HQ = (\text{Exposure Concentration})/(\text{RfC})$$

An HI was generated by summing the individual HQs for all COPC. The HI is not a mathematical prediction of the severity of toxic effects and therefore is not a true probabilistic "risk;" it is simply a numerical indicator of the possibility of the occurrence of noncarcinogenic (threshold) effects.

3.4.2 Interpretation of Risk Assessment Results

To interpret the quantitative risk estimates and aid risk managers in determining the need for remediation, quantitative risk estimates are compared to typical MDE and USEPA risk benchmarks. Calculated ILCRs are interpreted using the MDE risk benchmark (1×10^{-5}) for cumulative risk and USEPA's target cancer-risk range (1×10^{-4} to 1×10^{-6}); HIs are evaluated using a value of 1.0. Current USEPA policy regarding lead exposures is to limit the childhood risk of exceeding a 10 µg/dL blood lead level to 5%.

USEPA defines the range of 1×10^{-4} to 1×10^{-6} as the ILCR target range for hazardous waste facilities addressed under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA). Individual or cumulative ILCRs greater than 1×10^{-4} are generally considered "unacceptable" by USEPA. Risk management decisions are necessary when the ILCR is within 1×10^{-4} to 1×10^{-6}. USEPA typically does not require remediation when the cumulative ILCR is less than 1×10^{-6}. Similarly, cumulative ILCRs greater than 1×10^{-5} are generally considered "unacceptable" by MDE; remediation may or may not be necessary when the cumulative ILCR exceeds 1×10^{-5}.

An HI exceeding unity (1.0) indicates that noncarcinogenic health risks may be associated with exposure. If an HI exceeds unity, target-organ effects associated with exposure to COPC are considered. Only those HQs for chemicals affecting the same target organ(s) or exhibiting similar critical effect(s) are regarded as truly additive. Consequently, the cumulative HI could exceed 1.0, but no adverse health effects would be anticipated unless the COPC affect the same target organ or exhibit the same critical effect (i.e., unless target-organ/critical-effect-specific HIs exceed 1).

As a general guideline, a "no further action" recommendation is forwarded to MDE whenever the cancer risk estimates and total HIs (estimated on a target-organ/target-effect basis) for receptors of concern are less than 1×10^{-5} and 1, respectively, and when risks associated with lead exposure are below the USEPA risk benchmark. Otherwise, in most cases, the need for remedial action (including institutional controls) will be evaluated in a feasibility study (FS). However, the 1×10^{-5} risk benchmark should not be viewed as a discrete limit. Risks slightly greater than 1×10^{-5} may be considered "acceptable" (i.e., protective) if justified by site-specific conditions, including any uncertainties about the nature and extent of contamination and associated risks. Consequently, a "no further action" recommendation may be forwarded to MDE risk managers for review and discussion when the 1×10^{-5} risk benchmark is exceeded. Those reviews and discussions may affect the analyses in the FS. The following factors were considered in making this determination:

- the magnitude of the media-specific risk estimates
- significant uncertainties in the baseline HHRA that would overestimate baseline risk assessment results
- significant uncertainties in EPC estimates that would overestimate baseline risk assessment results

3.4.3 Refined Evaluation of Chemical Migration from Soils to Groundwater

COPC for migration from soils to groundwater were selected as detailed in Section 3.1. However, a more refined evaluation of the potential for such migration is included in Section 4 and is based on the following considerations:

- Does the maximum detected soil concentration exceed the groundwater-protection screening criterion at a DAF of 20?
- Does the mean of positive detections in soil exceed the groundwater-protection screening criterion at a DAF of 20?
- What is the frequency of detections exceeding the groundwater-protection screening criterion at a DAF of 20?
- Was the chemical selected as a COPC in groundwater?

- Does the maximum concentration in groundwater exceed the federal Safe Drinking Water Act (SDWA) maximum contaminant level (MCL)?

- What is the frequency of detections in groundwater exceeding the MDE screening level for groundwater or the USEPA RSL for tap water (based on an ILCR of 1×10^{-6} or an HI of 1)?

- What is the frequency of detections in groundwater exceeding 10 times the USEPA RSL for tap water (based on an ILCR of 1×10^{-6} or an HI of 1)?

These factors are considered when selecting COC for groundwater protection. Chemicals selected as COPC for migration from soil to groundwater in the initial screening were not retained as COC if any of the following was true:

- The maximum soil concentration is less than the groundwater-protection criteria based on a DAF of 20.

  ***Rationale*:** As mentioned previously, a DAF of 1 is conservative; a DAF of 20 is assumed more accurate at most sites. Note that the MDE groundwater-protection criteria are based on a DAF of 20 and the USEPA SSLs for groundwater protection are based on a DAF of 1. The USEPA SSLs were adjusted (i.e., multiplied by 20) for this evaluation.

- The frequency of detections greater than the groundwater-protection screening-criterion at a DAF of 20 is less than 5% (when at least 20 samples are included in the data set and no contamination "hot spot" is present). A "hot spot" is defined as a concentration that exceeds twice the screening criterion at a DAF of 20.

  ***Rationale*:** Chemicals are unlikely to pose risks to water quality through leaching from soil to groundwater if they are detected infrequently (i.e., less than 5%) in soil.

- The chemical was not selected as a COPC in groundwater.

  ***Rationale*:** If a chemical was not selected as a COPC in site groundwater, the data do not indicate that water quality has been adversely affected. This is an important consideration, because the contamination events in the study area are presumed to have occurred more than 40 years ago. Thus, given the passage of time, groundwater concentrations likely reflect the potential for chemical migration from soils to groundwater.

- The maximum concentration in groundwater is less than the SDWA MCL.

  ***Rationale*:** SDWA MCLs are federally enforceable drinking-water standards. Concentrations of chemicals in groundwater less than their corresponding SDWA MCLs indicate that groundwater has not been adversely affected.

- The frequency of detections greater than the MDE groundwater screening-level or the USEPA tap water RSL is less than 5% (when at least 20 samples are included in the data

set and no contamination “hot spot” is present). A “hot spot” is defined as a concentration twice the MDE groundwater screening-level or USEPA tap water RSL.

***Rationale*:** Chemicals are unlikely to pose risks to water quality through leaching from soil to groundwater if they are detected infrequently (i.e., less than 5%) in groundwater.

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-031	SB-31A-SS	0	0
SB-032	SB-32A-SS	0	0
SB-033	SB-33A-SS	0	0
SB-057	SB-57-SS	0	0
SB-058	SB-58-SS	0	0
SB-059	SB-59-SS	0	0
SB-060	SB-60-SS	0	0
SB-061	SB-61-SS	0	0
SB-062	SB-62-SS	0	0
SB-063	SB-63-SS	0	0
SB-064	SB-64-SS	0	0
SB-065	SB-65-SS	0	0
SB-066	SB-66-SS	0	0
SB-067	SB-67-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-239	SB-239-SS[6]	0.5	0.5
SB-239	SB-239-SS[12]	1	1
SB-239	SB-239-SS[18]	1.5	1.5
SB-240	SB-240-SS[6]	0.5	0.5
SB-240	SB-240-SS[12]	1	1
SB-240	SB-240-SS[18]	1.5	1.5
SB-241	SB-241-SS[6]	0.5	0.5
SB-241	SB-241-SS[12]	1	1
SB-241	SB-241-SS[18]	1.5	1.5
SB-242	SB-242-SS[6]	0.5	0.5
SB-242	SB-242-SS[12]	1	1
SB-242	SB-242-SS[18]	1.5	1.5
SB-243	SB-243-SS[6]	0.5	0.5
SB-243	SB-243-SS[12]	1	1
SB-243	SB-243-SS[18]	1.5	1.5
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-1	1	1
SB-057	F-SB-57RE-2	2	2
SB-057	F-SB-57RE-2-D	2	2
SB-058	F-SB-58RE-1	1	1
SB-058	F-SB-58RE-2	2	2
SB-058A	F-SB-58REA-2	2	2
SB-058A	F-SB-58REA-2-D	2	2
SB-058B	F-SB-58REB-2	2	2
SB-058C	F-SB-58REC-2	2	2
SB-058D	F-SB-58RED-2	2	2
SB-060	D-SB-60RE-1	1	1
SB-060	D-SB-60RE-2	2	2
SB-060A	D-SB-60REA-1	1	1

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-060B	D-SB-60REB-1	1	1
SB-060C	D-SB-60REC-1	1	1
SB-060D	D-SB-60RED-1	1	1
SB-061	D-SB-61RE-1	1	1
SB-061	D-SB-61RE-2	2	2
SB-061	D-SB-61RE-2-D	2	2
SB-061A	D-SB-61REA-1	1	1
SB-061B	D-SB-61REB-1	1	1
SB-061C	D-SB-61REC-1	1	1
SB-061D	D-SB-61RED-1	1	1
SB-062	D-SB-62RE-1	1	1
SB-062	D-SB-62RE-2	2	2
SB-062A	D-SB-62REA-1	1	1
SB-062B	D-SB-62REB-1	1	1
SB-062C	D-SB-62REC-1	1	1
SB-062D	D-SB-62RED-1	1	1
SB-063	D-SB-63RE-1	1	1
SB-063	D-SB-63RE-2	2	2
SB-063	D-SB-63RE-2-D	2	2
SB-063A	D-SB-63REA-2	2	2
SB-063B	D-SB-63REB-2	2	2
SB-063C	D-SB-63REC-2	2	2
SB-063D	D-SB-63RED-2	2	2
SB-065	D-SB-65RE-1	1	1
SB-065	D-SB-65RE-2	2	2
SB-066	D-SB-66RE-1	1	1
SB-066	D-SB-66RE-2	2	2
SB-066A	D-SB-66REA-2	2	2
SB-066B	D-SB-66REB-2	2	2
SB-066C	D-SB-66REC-2	2	2
SB-066D	D-SB-66RED-2	2	2
SB-239	D-SB-239RE-2	2	2
SB-239	D-SB-239RE-2-D	2	2
SB-240	D-SB-240RE-1	1	1
SB-240	D-SB-240RE-2	2	2
SB-240A	D-SB-240REA-1	1	1
SB-240B	D-SB-240REB-1	1	1
SB-240C	D-SB-240REC-1	1	1
SB-240D	D-SB-240RED-1	1	1
SB-243	D-SB-243RE-1	1	1
SB-243	D-SB-243RE-2	2	2
SB-243A	D-SB-243REA-2	2	2
SB-243B	D-SB-243REB-2	2	2
SB-243C	D-SB-243REC-2	2	2
SB-243D	D-SB-243RED-2	2	2

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-592	D-SB-592-2	2	2
SB-592A	D-SB-592A-2	2	2
SB-592B	D-SB-592B-2	2	2
SB-592D	D-SB-592D-2	2	2
SB-593	D-SB-593-2	2	2
SB-594	D-SB-594-2	2	2
SB-595	D-SB-595-2	2	2
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-SS	0	1
SB-767	D-SS-767-01	0	1
SB-768	D-SS-768-01	0	1
SB-769	D-SS-769-01	0	1
SB-770	D-SS-770-01	0	1
SB-771	D-SB-771-SS	0	1
SB-772	D-SS-772-01	0	1
SB-773	D-SS-773-01	0	1
SB-774	D-SB-774-SS	0	1
SB-775	D-SS-775-01	0	1
SB-776	D-SS-776-01	0	1
SB-777	D-SB-777-SS	0	1
SB-778	D-SS-778-01	0	1
SB-779	D-SS-779-01	0	1
SB-780	D-SS-780-01	0	1
SB-781	D-SS-781-01	0	1
SB-782	D-SS-782-01	0	1
SB-783	D-SS-783-01	0	1
SB-784	D-SS-784-01	0	1
SB-785	D-SS-785-01	0	1
SB-786	D-SS-786-01	0	1
SB-787	D-SS-787-01	0	1
SB-788	D-SB-788-SS	0	1
SB-789	D-SB-789-SS	0	1
SB-790	D-SB-790-SS	0	1
SB-791	D-SB-791-SS	0	1
SB-792	D-SB-792-SS	0	1
SB-793	D-SB-793-SS	0	1
SB-794	D-SB-794-SS	0	1
SB-795	D-SB-795-SS	0	1
SB-796	D-SB-796-SS	0	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-001	SB-1A-SS	0	0
SB-002	SB-2A-01	1	1
SB-003	SB-3A-SS	0	0
SB-004	SB-4A-SS	0	0
SB-005	SB-5A-SS	0	0
SB-006	SB-6A-SS	0	0
SB-035	SB-35-SS	0	0
SB-036	SB-36-SS	0	0
SB-041	SB-41S-SS	0	0
SB-042	SB-42S-SS	0	0
SB-169	SB-169-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-004	SB-04B-01	1	1
SB-232	SB-232-SS	0	0
SB-232	SB-232-01	1	1
SB-233	SB-233-SS	0	0
SB-233	SB-233-01	1	1
SB-234	SB-234-SS	0	0
SB-234	SB-234-01	1	1
SB-235	SB-235-SS	0	0
SB-235	SB-235-01	1	1
Additional Soil Characterization Samples (Fall 2007)			
SB-345	SB-345-0001	0	1
SB-346	SB-346-0001	0	1
SB-347	SB-347-0001	0	1
SB-348	SB-348-0001	0	1
SB-349	SB-349-0001	0	1
SB-350	SB-350-0001	0	1
SB-351	SB-351-0001	0	1
SB-352	SB-352-0001	0	1
SB-353	SB-353-0001	0	1
SB-354	SB-354-0001	0	1
SB-355	SB-355-0001	0	1
SB-356	SB-356-0001	0	1
SB-357	SB-357-0001	0	1
SB-358	SB-358-0001	0	1
SB-359	SB-359-0001	0	1
SB-360	SB-360-0001	0	1
SB-361	SB-361-0001	0	1
SB-362	SB-362-0001	0	1
SB-363	SB-363-0001	0	1
SB-364	SB-364-0001	0	1
SB-500	SB-500-0001	0	1
SB-501	SB-501-0001	0	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-502	SB-502-0001	0	1
SB-503	SB-503-0001	0	1
SB-503	SB-503-0001-D	0	1
SB-504	SB-504-0001	0	1
SB-505	SB-505-0001	0	1
SB-506	SB-506-0001	0	1
SB-506	SB-506-0001-D	0	1
SB-507	SB-507-0001	0	1
SB-508	SB-508-0001	0	1
SB-509	SB-509-0001	0	1
SB-510	SB-510-0001	0	1
SB-511	SB-511-0001	0	1
SB-512	SB-512-0001	0	1
SB-513	SB-513-0001	0	1
SB-514	SB-514-0001	0	1
SB-515	SB-515-0001	0	1
SB-516	SB-516-0001	0	1
SB-517	SB-517-0001	0	1
SB-518	SB-518-0001	0	1
SB-519	SB-519-0001	0	1
SB-520	SB-520-0001	0	1
SB-521	SB-521-0001	0	1
SB-522	SB-522-0001	0	1
SB-523	SB-523-0001	0	1
SB-524	SB-524-0001	0	1
SB-525	SB-525-0001	0	1
SB-526	SB-526-0001	0	1
SB-527	SB-527-0001	0	1
SB-528	SB-528-0001	0	1
SB-529	SB-529-0001	0	1
SB-530	SB-530-0001	0	1
SB-531	SB-531-0001	0	1
SB-532	SB-532-0001	0	1
SB-533	SB-533-0001	0	1
SB-534	SB-534-0001	0	1
SB-535	SB-535-0001	0	1
SB-536	SB-536-0001	0	1
SB-537	SB-537-0001	0	1
SB-538	SB-538-0001	0	1
SB-539	SB-539-0001	0	1
SB-540	SB-540-0001	0	1
Supplemental Soil Investigation Samples (Fall 2008)			
SB-541	SB-541-SS0-0.5	0	0.5
SB-541	SB-541-SS0.5-1	0.5	1
SB-541	SB-541-2	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-541A	SB-541A-SS[SJ]	0	0
SB-541A	SB-541A-SS0-0.5	0	0.5
SB-541A	SB-541A-SS0.5-1	0.5	1
SB-542	SB-542-SS0-0.5	0	0.5
SB-542	SB-542-SS0.5-1	0.5	1
SB-542	SB-542-2	2	2
SB-543	SB-543-SS0-0.5	0	0.5
SB-543	SB-543-SS0.5-1	0.5	1
SB-543	SB-543-2	2	2
SB-543A	SB-543A-SS[SJ]	0	0
SB-543A	SB-543A-SS0-0.5	0	0.5
SB-543A	SB-543A-SS0.5-1	0.5	1
SB-543A	SB-543A-2	2	2
SB-544	SB-544-SS0-0.5	0	0.5
SB-544	SB-544-SS0.5-1	0.5	1
SB-544	SB-544-2	2	2
SB-544A	SB-544A-SS[SJ]	0	0
SB-544A	SB-544A-SS0-0.5	0	0.5
SB-544A	SB-544A-SS0.5-1	0.5	1
SB-545	SB-545-SS0-0.5	0	0.5
SB-545	SB-545-SS0.5-1	0.5	1
SB-546	SB-546-SS0-0.5	0	0.5
SB-546	SB-546-SS0-0.5-D	0	0.5
SB-546	SB-546-SS0.5-1-D	0.5	1
SB-546	SB-546-SS0.5-1	0.5	1
SB-546	SB-546-2	2	2
SB-546	SB-546-2-D	2	2
SB-546A	SB-546A-SS[SJ]	0	0
SB-546A	SB-546A-SS0-0.5	0	0.5
SB-546A	SB-546A-SS0.5-1	0.5	1
SB-547	SB-547-SS0-0.5	0	0.5
SB-547	SB-547-SS0.5-1	0.5	1
SB-547	SB-547-2	2	2
SB-548	SB-548-SS0-0.5	0	0.5
SB-548	SB-548-SS0-0.5-D	0	0.5
SB-548	SB-548-SS0.5-1-D	0.5	1
SB-548	SB-548-SS0.5-1	0.5	1
SB-548	SB-548-2	2	2
SB-548	SB-548-2-D	2	2
SB-549	SB-549-SS0-0.5	0	0.5
SB-549	SB-549-SS0.5-1	0.5	1
SB-549	SB-549-2	2	2
SB-549	SB-549-2-D	2	2
SB-550	SB-550-SS0-0.5	0	0.5
SB-550	SB-550-SS0.5-1	0.5	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-550	SB-550-2	2	2
SB-550A	SB-550A-SS[SJ]	0	0
SB-550A	SB-550A-SS0-0.5	0	0.5
SB-550A	SB-550A-SS0.5-1	0.5	1
SB-550A	SB-550A-2	2	2
SB-551	SB-551-SS0-0.5	0	0.5
SB-551	SB-551-SS0.5-1	0.5	1
SB-551	SB-551-2	2	2
SB-552	SB-552-SS0-0.5	0	0.5
SB-552	SB-552-SS0.5-1	0.5	1
SB-552	SB-552-2	2	2
SB-553	SB-553-SS0.5-1	0.5	1
SB-553	SB-553-2	2	2
SB-554	SB-554-SS0.5-1	0.5	1
SB-554	SB-554-2	2	2
SB-555	SB-555-SS0-0.5	0	0.5
SB-555	SB-555-SS0.5-1	0.5	1
SB-555	SB-555-2	2	2
SB-556	SB-556-SS0-0.5	0	0.5
SB-556	SB-556-SS0.5-1	0.5	1
SB-556	SB-556-2	2	2
SB-557	SB-557-SS0-0.5	0	0.5
SB-557	SB-557-SS0.5-1	0.5	1
SB-557	SB-557-2	2	2
SB-558	SB-558-SS0-0.5	0	0.5
SB-558	SB-558-SS0.5-1	0.5	1
SB-558	SB-558-2	2	2
SB-559	SB-559-SS0-0.5	0	0.5
SB-559	SB-559-SS0.5-1	0.5	1
SB-559	SB-559-2	2	2
SB-560	SB-560-SS0-0.5	0	0.5
SB-560	SB-560-SS0.5-1	0.5	1
SB-560	SB-560-2	2	2
SB-561	SB-561-SS0-0.5	0	0.5
SB-561	SB-561-SS0.5-1	0.5	1
SB-561	SB-561-2	2	2
SB-562	SB-562-SS0-0.5	0	0.5
SB-562	SB-562-SS0.5-1	0.5	1
SB-562	SB-562-2	2	2
SB-563	SB-563-SS0-0.5	0	0.5
SB-563	SB-563-SS0.5-1	0.5	1
SB-563	SB-563-2	2	2
SB-564	SB-564-SS0-0.5	0	0.5
SB-564	SB-564-SS0.5-1	0.5	1
SB-564	SB-564-2	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-565	SB-565-SS0-0.5	0	0.5
SB-565	SB-565-SS0.5-1	0.5	1
SB-565	SB-565-2	2	2
SB-566	SB-566-SS0-0.5	0	0.5
SB-566	SB-566-SS0.5-1	0.5	1
SB-566	SB-566-2	2	2
SB-567	SB-567-SS0-0.5	0	0.5
SB-567	SB-567-SS0.5-1	0.5	1
SB-567	SB-567-2	2	2
SB-568	SB-568-SS0-0.5	0	0.5
SB-568	SB-568-SS0.5-1	0.5	1
SB-568	SB-568-2	2	2
SB-569	SB-569-SS0-0.5	0	0.5
SB-569	SB-569-SS0.5-1	0.5	1
SB-569	SB-569-2	2	2
SB-570	SB-570-SS0-0.5	0	0.5
SB-570	SB-570-SS0.5-1	0.5	1
SB-570	SB-570-2	2	2
SB-571	SB-571-SS0-0.5	0	0.5
SB-571	SB-571-SS0.5-1	0.5	1
SB-571	SB-571-2	2	2
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-SS	0	1
SB-819	E-SB-819-SS	0	1
SB-820	E-SB-820-SS	0	1
SB-821	E-SB-821-SS	0	1
SB-822	E-SB-822-SS	0	1
SB-823	E-SB-823-SS	0	1
SB-824	E-SB-824-SS	0	1
SB-825	E-SB-825-SS	0	1
SB-827	E-SB-827-SS	0	1
SB-828	E-SB-828-SS	0	1
SB-829	E-SB-829-SS	0	1
SB-830	E-SB-830-SS	0	1
SB-831	E-SB-831-SS	0	1
SB-832	E-SB-832-SS	0	1
SB-833	E-SB-833-SS	0	1
SB-833A	E-SB-833A-02	2	2
SB-833B	E-SB-833B-02	2	2
SB-833C	E-SB-833C-02	2	2
SB-833D	E-SB-833D-02	2	2
SB-833E	E-SB-833E-02	2	2
SB-833F	E-SB-833F-02	2	2
SB-833G	E-SB-833G-02	2	2
SB-833H	E-SB-833H-02	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-833J	E-SB-833J-02	2	2
SB-833K	E-SB-833K-02	2	2
SB-833L	E-SB-833L-02	2	2
SB-833M	E-SB-833M-02	2	2
SB-833N	E-SB-833N-02	2	2
SB-834	E-SB-834-SS	0	1
SB-835	E-SB-835-SS	0	1
SB-836	E-SB-836-SS	0	1
SB-837	E-SB-837-SS	0	1
SB-838	E-SB-838-SS	0	1
SB-839	E-SB-839-SS	0	1
SB-840	E-SB-840-SS	0	1
SB-841	E-SB-841-SS	0	1
SB-842	E-SB-842-SS	0	1
SB-843	E-SB-843-SS	0	1
SB-844	E-SB-844-SS	0	1
SB-845	E-SB-845-SS	0	1
SB-846	E-SB-846-SS	0	1
SB-847	E-SB-847-SS	0	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-022	SB-22A-SS	0	1
SB-023	SB-23A-SS	0	1
SB-024	SB-24A-SS	0	1
SB-025	SB-25A-SS	0	1
SB-030	SB-30A-SS	0	1
SB-050	SB-50-SS	0	1
SB-055	SB-55-SS	0	1
SB-056	SB-56-SS	0	1
SB-093	SB-93-SS	0	1
SB-094	SB-94-SS	0	1
SB-095	SB-95-SS	0	1
SB-096	SB-96-SS	0	1
Phase II Soil Investigation Samples (Summer 2005)			
SB-236	SB-236-SS	0	1
SB-236	SB-236-01	1	2
SB-237	SB-237-SS	0	1
SB-237	SB-237-01	1	2
SB-238	SB-238-SS	0	1
SB-238	SB-238-01	1	2
SB-250	SB-250-SS	0	1
SB-250	SB-250-02	1	2
SB-251	SB-251-SS	0	1
SB-251	SB-251-02	1	2
SB-252	SB-252-SS	0	1
SB-252	SB-252-02	1	2
SB-253	SB-253-SS	0	1
SB-253	SB-253-02	1	2
SB-265	SB-265-SS	0	1
SB-265	SB-265-02	1	2
SB-266	SB-266-SS	0	1
SB-266	SB-266-02	1	2
SB-267	SB-267-SS	0	1
SB-267	SB-267-02	1	2
SB-268	SB-268-SS	0	1
SB-268	SB-268-02	1	2
SB-269	SB-269-SS	0	1
SB-269	SB-269-02	1	2
SB-270	SB-270-SS	0	1
SB-270	SB-270-02	1	2
Additional Soil Characterization Samples (Fall 2007)			
SB-382	SB-382-0102	1	2
SB-383	SB-383-0102	1	2
SB-384	SB-384-0102	1	2

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-385	SB-385-0102	1	2
SB-386	SB-386-0102	1	2
SB-387	SB-387-0102	1	2
SB-388	SB-388-0102	1	2
SB-389	SB-389-0102	1	2
SB-390	SB-390-0102	1	2
SB-391	SB-391-0102	1	2
SB-392	SB-392-0102	1	2
SB-393	SB-393-0102	1	2
SB-394	SB-394-0102	1	2
SB-395	SB-395-0102	1	2
SB-396	SB-396-0102	1	2
SB-397	SB-397-0102	1	2
SB-398	SB-398-0102	1	2
SB-399	SB-399-0102	1	2
SB-400	SB-400-0102	1	2
SB-401	SB-401-0102	1	2
SB-402	SB-402-0102	1	2
SB-403	SB-403-0102	1	2
SB-404	SB-404-0102	1	2
SB-405	SB-405-0102	1	2
SB-406	SB-406-0102	1	2
SB-407	SB-407-0102	1	2
SB-408	SB-408-0102	1	2
SB-409	SB-409-0102	1	2
SB-489	SB-489-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-024A	F-SB-24ARE-1	1	1
SB-024A	F-SB-24ARE-2	2	2
SB-056	F-SB-56RE-1	1	1
SB-056	F-SB-56RE-2	2	2
SB-093	F-SB-93RE-1	1	1
SB-093	F-SB-93RE-2	2	2
SB-094	F-SB-94RE-1	1	1
SB-094	F-SB-94RE-2	2	2
SB-095	F-SB-95RE-1	1	1
SB-095	F-SB-95RE-2	2	2
SB-096	F-SB-96RE-1	1	1
SB-096	F-SB-96RE-2	2	2
SB-624	F-SB-624-1	1	1
SB-624	F-SB-624-2	2	2
SB-625	F-SB-625-1	1	1
SB-625	F-SB-625-2	2	2
SB-626	F-SB-626-1	1	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-626	F-SB-626-2	2	2
SB-626B	F-SB-626B-(1-4)	1	4
SB-626C	F-SB-626C-1	1	1
SB-626D	F-SB-626D-1	1	1
SB-627	F-SB-627-1	1	1
SB-627	F-SB-627-2	2	2
SB-635C	F-SB-635C-1	1	1
SB-635D	F-SB-635D-1	1	1
SB-636	F-SB-636-1	1	1
SB-636A	F-SB-636A-1	1	1
SB-636B	F-SB-636B-1	1	1
SB-636C	F-SB-636C-1	1	1
SB-636D	F-SB-636D-1	1	1
SB-637	F-SB-637-1	1	1
SB-637B	F-SB-637B-1	1	1
SB-637C	F-SB-637C-1	1	1
SB-638	F-SB-638-1	1	1
SB-639	F-SB-639-1	1	1
SB-640	F-SB-640-1	1	1
SB-641	F-SB-641-1	1	1
SB-641A	F-SB-641A-1	1	1
SB-641B	F-SB-641B-1	1	1
SB-641C	F-SB-641C-1	1	1
SB-642	F-SB-642-1	1	1
SB-642A	F-SB-642A-1	1	1
SB-642B	F-SB-642B-1	1	1
SB-642C	F-SB-642C-1	1	1
SB-643	F-SB-643-1	1	1
SB-643B	F-SB-643B-1	1	1
SB-643C	F-SB-643C-1	1	1
SB-644	F-SB-644-1	1	1
SB-645	F-SB-645-1	1	1
SB-645A	F-SB-645A-1	1	1
SB-645B	F-SB-645B-1	1	1
SB-645C	F-SB-645C-1	1	1
SB-646	F-SB-646-1	1	1
SB-647	F-SB-647-1	1	1
SB-647A	F-SB-647A-1	1	1
SB-647B	F-SB-647B-1	1	1
SB-647C	F-SB-647C-1	1	1
SB-648	F-SB-648-1	1	1
SB-649	F-SB-649-1	1	1
SB-650	F-SB-650-1	1	1
SB-651	F-SB-651-1	1	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-652	F-SB-652-1	1	1
SB-652A	F-SB-652A-1	1	1
SB-652B	F-SB-652B-1	1	1
SB-652C	F-SB-652C-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-797	F-SB-797-SS	1	1
SB-798	F-SB-798-SS	1	1
SB-799	F-SB-799-SS	1	1
SB-800	F-SB-800-SS	1	1
SB-801	F-SB-801-SS	1	1
SB-802	F-SB-802-SS	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-081	SB-81-SS	0	0
SB-082	SB-82-SS	0	0
SB-083	SB-83-SS	0	0
SB-084	SB-84-SS	0	0
SB-085	SB-85-SS	0	0
SB-086	SB-86-SS	0	0
SB-091	SB-91-SS	0	0
SB-092	SB-92-SS	0	0
SB-183	SB-183-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-194	SB-194-SS	0	1
SB-195	SB-195-SS	0	1
SB-196	SB-196-SS	0	1
SB-197	SB-197-SS	0	1
SB-198	SB-198-SS	0	1
SB-199	SB-199-SS	0	1
SB-254	SB-254-SS [6]	0.5	0.5
SB-254	SB-254-SS [12]	1	1
SB-254	SB-254-SS [18]	1.5	1.5
SB-255	SB-255-SS [6]	0.5	0.5
SB-255	SB-255-SS [12]	1	1
SB-255	SB-255-SS [18]	1.5	1.5
SB-256	SB-256-SS [6]	0.5	0.5
SB-256	SB-256-SS [12]	1	1
SB-256	SB-256-SS [18]	1.5	1.5
SB-257	SB-257-SS [6]	0.5	0.5
SB-257	SB-257-SS [12]	1	1
SB-257	SB-257-SS [18]	1.5	1.5
SB-258	SB-258-SS [6]	0.5	0.5
SB-258	SB-258-SS [12]	1	1
SB-258	SB-258-SS [18]	1.5	1.5
SB-259	SB-259-SS [6]	0.5	0.5
SB-259	SB-259-SS [12]	1	1
SB-259	SB-259-SS [18]	1.5	1.5
SB-260	SB-260-SS [6]	0.5	0.5
SB-260	SB-260-SS [12]	1	1
SB-260	SB-260-SS [18]	1.5	1.5
SB-261	SB-261-SS [6]	0.5	0.5
SB-261	SB-261-SS [12]	1	1
SB-261	SB-261-SS [18]	1.5	1.5
Additional Soil CharacterizationSamples (Fall 2007)			
SB-410	SB-410-0102	1	2
SB-411	SB-411-0102	1	2
SB-412	SB-412-0102	1	2

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-413	SB-413-0102	1	2
SB-414	SB-414-0102	1	2
SB-415	SB-415-0102	1	2
SB-416	SB-416-0102	1	2
SB-417	SB-417-0102	1	2
SB-418	SB-418-0102	1	2
SB-419	SB-419-0102	1	2
SB-420	SB-420-0102	1	2
SB-421	SB-421-0102	1	2
SB-422	SB-422-0102	1	2
SB-423	SB-423-0102	1	2
SB-424	SB-424-0102	1	2
SB-425	SB-425-0102	1	2
SB-426	SB-426-0102	1	2
SB-427	SB-427-0102	1	2
SB-428	SB-428-0102	1	2
SB-429	SB-429-0102	1	2
SB-430	SB-430-0102	1	2
SB-431	SB-431-0102	1	2
SB-432	SB-432-0102	1	2
SB-433	SB-433-0102	1	2
SB-434	SB-434-0102	1	2
SB-435	SB-435-0102	1	2
SB-436	SB-436-0102	1	2
SB-437	SB-437-0102	1	2
SB-438	SB-438-0102	1	2
SB-439	SB-439-0102	1	2
SB-440	SB-440-0102	1	2
SB-441	SB-441-0102	1	2
SB-442	SB-442-0102	1	2
SB-443	SB-443-0102	1	2
SB-444	SB-444-0102	1	2
SB-445	SB-445-0102	1	2
SB-446	SB-446-0102	1	2
SB-447	SB-447-0102	1	2
SB-448	SB-448-0102	1	2
SB-449	SB-449-0102	1	2
SB-450	SB-450-0102	1	2
SB-451	SB-451-0102	1	2
SB-452	SB-452-0102	1	2
SB-453	SB-453-0102	1	2
SB-454	SB-454-0102	1	2
SB-455	SB-455-0102	1	2
SB-456	SB-456-0102	1	2
SB-457	SB-457-0000	0	0

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-457	SB-457-0102	1	2
SB-458	SB-458-0000	0	0
SB-458	SB-458-0102	1	2
SB-459	SB-459-0000	0	0
SB-459	SB-459-0102	1	2
SB-460	SB-460-0000	0	0
SB-460	SB-460-0102	1	2
SB-461	SB-461-0000	0	0
SB-461	SB-461-0102	1	2
SB-494	SB-494-0000	0	0
SB-494	SB-494-0102	1	2
SB-495	SB-495-0000	0	0
SB-495	SB-495-0102	1	2
SB-496	SB-496-0000	0	0
SB-496	SB-496-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-1	1	1
SB-091	G-SB-91RE-2	2	2
SB-091A	G-SB-91REA-1	1	1
SB-091B	G-SB-91REB-1	1	1
SB-091C	G-SB-91REC-1	1	1
SB-092	G-SB-92RE-1	1	1
SB-092	G-SB-92RE-2	2	2
SB-092C	G-SB-92REC-1	1	1
SB-092D	G-SB-92RED-1	1	1
SB-092D	G-SB-92RED-1-D	1	1
SB-194	G-SB-194RE-1	1	1
SB-194	G-SB-194RE-2	2	2
SB-198	G-SB-198RE-1	1	1
SB-198	G-SB-198RE-2	2	2
SB-254	G-SB-254RE-1	1	1
SB-254	G-SB-254RE-2	2	2
SB-255	G-SB-255RE-1	1	1
SB-255	G-SB-255RE-2	2	2
SB-257RE	G-SB-257RE-1	1	1
SB-257RE	G-SB-257RE-2	2	2
SB-653	G-SB-653-1	1	1
SB-653	G-SB-653-2	2	2
SB-653A	G-SB-653A-1	1	1
SB-653B	G-SB-653B-1	1	1
SB-653D	G-SB-653D-1	1	1
SB-654	G-SB-654-1	1	1
SB-654	G-SB-654-2	2	2
SB-654B	G-SB-654B-1	1	1
SB-654C	G-SB-654C-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-655	G-SB-655-1	1	1
SB-655	G-SB-655-2	2	2
SB-656	G-SB-656-1	1	1
SB-656	G-SB-656-2	2	2
SB-656C	G-SB-656C-2	2	2
SB-656D	G-SB-656D-2	2	2
SB-657A	G-SB-657A-1	1	1
SB-657B	G-SB-657B-1	1	1
SB-657D	G-SB-657D-1	1	1
SB-658B	G-SB-658B-1	1	1
SB-658C	G-SB-658C-1	1	1
SB-659C	G-SB-659C-1	1	1
SB-659D	G-SB-659D-1	1	1
SB-662A	G-SB-662A-1	1	1
SB-662B	G-SB-662B-1	1	1
SB-662C	G-SB-662C-1	1	1
SB-669	G-SB-669-1	1	1
SB-669	G-SB-669-2	2	2
SB-670	G-SB-670-1	1	1
SB-670	G-SB-670-2	2	2
SB-671	G-SB-671-1	1	1
SB-671	G-SB-671-2	2	2
SB-671	G-SB-671-2-D	2	2
SB-671B	G-SB-671B-1	1	1
SB-671C	G-SB-671C-1	1	1
SB-671D	G-SB-671D-1	1	1
SB-672	G-SB-672-1	1	1
SB-672	G-SB-672-2	2	2
SB-677	G-SB-677-1	1	1
SB-677	G-SB-677-1-D	1	1
SB-677	G-SB-677-2	2	2
SB-677A	G-SB-677A-1	1	1
SB-677B	G-SB-677B-1	1	1
SB-677D	G-SB-677D-1	1	1
SB-678	G-SB-678-1	1	1
SB-678	G-SB-678-2	2	2
SB-678B	G-SB-678B-1	1	1
SB-678C	G-SB-678C-1	1	1
SB-679	G-SB-679-1	1	1
SB-679	G-SB-679-2	2	2
SB-679C	G-SB-679C-1	1	1
SB-679D	G-SB-679D-1	1	1
SB-680	G-SB-680-1	1	1
SB-680	G-SB-680-2	2	2
SB-680D	G-SB-680D-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-680D	G-SB-680D-1-D	1	1
SB-693A	G-SB-693A-2	2	2
SB-693A	G-SB-693B-2	2	2
SB-693D	G-SB-693D-2	2	2
SB-734	G-SB-734-0-4	0	4
SB-735	G-SB-735-1	1	1
SB-735A	G-SB-735A-1	1	1
SB-735B	G-SB-735B-1	1	1
SB-735C	G-SB-735C-1	1	1
SB-736	G-SB-736-1	1	1
SB-736B	G-SB-736B-1	1	1
SB-736C	G-SB-736C-1	1	1
SB-737	G-SB-737-1	1	1
SB-738	G-SB-738-2	2	2
SB-738	G-SB-738-2-D	2	2
SB-739	G-SB-739-2	2	2
SB-740	G-SB-740-2	2	2
SB-741	G-SB-741-2	2	2
SB-742	G-SB-742-2	2	2
SB-743	G-SB-743-2	2	2
SB-744	G-SB-744-2	2	2
SB-745	G-SB-745-2	2	2
SB-745A	G-SB-745A-2	2	2
SB-745B	G-SB-745B-2	2	2
SB-745C	G-SB-745C-2	2	2
SB-746	G-SB-746-2	2	2
SB-747	G-SB-747-2	2	2
SB-747	G-SB-747-2-D	2	2
SB-748	G-SB-748-2	2	2
SB-749	G-SB-749-2	2	2
SB-750	G-SB-750-2	2	2
SB-751	G-SB-751-2	2	2
SB-752	G-SB-752-2	2	2
SB-753	G-SB-753-2	2	2
SB-754	G-SB-754-2	2	2
SB-755	G-SB-755-2	2	2
SB-756	G-SB-756-2	2	2
SB-757	G-SB-757-2	2	2
SB-758	G-SB-758-2	2	2
SB-759	G-SB-759-1	1	1
SB-760	G-SB-760-1	1	1
SB-761	G-SB-761-1	1	1
SB-761A	G-SB-761A-1	1	1
SB-761B	G-SB-761B-1	1	1
SB-761C	G-SB-761C-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-761D	G-SB-761D-1	1	1
SB-762	G-SB-762-1	1	1
SB-762A	G-SB-762A-1	1	1
SB-762B	G-SB-762B-1	1	1
SB-762C	G-SB-762C-1	1	1
SB-762D	G-SB-762D-1	1	1
SB-763	G-SB-763-1	1	1
SB-763A	G-SB-763A-1	1	1
SB-763B	G-SB-763B-1	1	1
SB-763C	G-SB-763C-1	1	1
SB-763D	G-SB-763D-1	1	1
SB-764	G-SB-764-1	1	1
SB-764A	G-SB-764A-1	1	1
SB-764B	G-SB-764B-1	1	1
SB-764C	G-SB-764C-1	1	1
SB-764D	G-SB-764D-1	1	1
SB-765	G-SB-765-1	1	1
SB-765A	G-SB-765A-1	1	1
SB-765B	G-SB-765B-1	1	1
SB-765C	G-SB-765C-1	1	1
SB-765D	G-SB-765D-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-SS	0	1
SB-804	G-SB-804-SS	0	1
SB-805	G-SB-805-SS	0	1
SB-806	G-SB-806-SS	0	1
SB-807	G-SB-807-SS	0	1
SB-808	G-SB-808-SS	0	1
SB-809	G-SB-809-SS	0	1
SB-810	G-SB-810-SS	0	1
SB-811	G-SB-811-SS	0	1
SB-812	G-SB-812-SS	0	1
SB-813	G-SB-813-SS	0	1
Data Gap Investigation Test Pit Samples (Fall 2010)			
G-TP-1	G-TP-1-3-1-2	1	2
G-TP-1	G-TP-1-4-1-2	1	2
G-TP-2	G-TP-2-1-1-3	1	3
G-TP-2	G-TP-2-2-1-3	1	3
G-TP-2	G-TP-2-4-1-3	1	3
G-TP-2	G-TP-2-6-1-2	1	2
G-TP-2	G-TP-2-7-1-2	1	2

Table 3-5

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Soil Investigation Samples (Summer 2005)			
SB-200	SB-200-SS	0	1
SB-201	SB-201-SS	0	1
SB-202	SB-202-SS	0	1
SB-203	SB-203-SS	0	1
SB-282	SB-282-0102	1	2
SB-283	SB-283-0102	1	2
SB-284	SB-284-0102	1	2
SB-285	SB-285-0102	1	2
SB-286	SB-286-0102	1	2
SB-293	SB-293-0102	1	2
SB-294	SB-294-0001	0	1
Additional Soil Characterization Samples (Fall 2007)			
SB-462	SB-462-0102	1	2
SB-463	SB-463-0102	1	2
SB-464	SB-464-0102	1	2
SB-465	SB-465-0102	1	2
SB-466	SB-466-0102	1	2
SB-467	SB-467-0102	1	2
SB-468	SB-468-0102	1	2
SB-469	SB-469-0102	1	2
SB-470	SB-470-0102	1	2
SB-471	SB-471-0102	1	2
SB-472	SB-472-0102	1	2
SB-473	SB-473-0102	1	2
SB-474	SB-474-0102	1	2
SB-475	SB-475-0102	1	2
SB-476	SB-476-0102	1	2
SB-477	SB-477-0102	1	2
SB-478	SB-478-0102	1	2
SB-479	SB-479-0102	1	2
SB-480	SB-480-0102	1	2
SB-481	SB-481-0102	1	2
SB-482	SB-482-0102	1	2
SB-483	SB-483-0102	1	2
SB-484	SB-484-0102	1	2
SB-485	SB-485-0102	1	2
SB-486	SB-486-0102	1	2
SB-487	SB-487-0102	1	2
SB-488	SB-488-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-201RE	H-SB-201RE-1	1	1
SB-201RE	H-SB-201RE-2	2	2
SB-282	H-SB-282RE-1	1	1

Table 3-5

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-282	H-SB-282RE-2	2	2
SB-282A	H-SB-282REA-1	1	1
SB-282B	H-SB-282REB-1	1	1
SB-282C	H-SB-282REC-1	1	1
SB-282D	H-SB-282RED-1	1	1
SB-600	H-SB-600-1	1	1
SB-600	H-SB-600-2	2	2
SB-601	H-SB-601-1	1	1
SB-601	H-SB-601-2	2	2
SB-602	H-SB-602-1	1	1
SB-602	H-SB-602-2	2	2
SB-603	H-SB-603-1	1	1
SB-603	H-SB-603-2	2	2
SB-604A	H-SB-604A-1	1	1
SB-604B	H-SB-604B-1	1	1
SB-604D	H-SB-604D-1	1	1
SB-610B	H-SB-610B-1	1	1
SB-610C	H-SB-610C-1	1	1
SB-610D	H-SB-610D-1	1	1
SB-611A	H-SB-611A-1	1	1
SB-611D	H-SB-611D-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-SS	1	1
SB-815	H-SB-815-SS	1	1
SB-816	H-SB-816-SS	1	1
SB-816	H-SB-816-SS-D	1	1
SB-817	H-SB-817-SS	1	1

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-031	SB-31-05	5	5
SB-032	SB-32-05	5	5
SB-033	SB-33-05	5	5
Site-Wide Phase II Investigation Samples (2004)			
SB-057	SB-57-05	5	5
SB-057	SB-57-10	10	10
SB-058	SB-58-05	5	5
SB-058	SB-58-10	10	10
SB-059	SB-59-05	5	5
SB-059	SB-59-10	10	10
SB-060	SB-60-05	5	5
SB-060	SB-60-10	10	10
SB-061	SB-61-05	5	5
SB-061	SB-61-10	10	10
SB-062	SB-62-05	5	5
SB-062	SB-62-10	10	10
SB-063	SB-63-05	5	5
SB-063	SB-63-10	10	10
SB-064	SB-64-05	5	5
SB-065	SB-65-05	5	5
SB-065	SB-65-10	10	10
SB-066	SB-66-05	5	5
SB-066	SB-66-10	10	10
SB-067	SB-67-05	5	5
SB-067	SB-67-10	10	10
Phase II Soil Investigation Samples (Summer 2005)			
SB-244	SB-244-05	5	5
SB-244	SB-244-10	10	10
SB-245	SB-245-05	5	5
SB-245	SB-245-10	10	10
SB-246	SB-246-05	5	5
SB-246	SB-246-10	10	10
SB-247	SB-247-05	5	5
SB-247	SB-247-10	10	10
SB-248	SB-248-05	5	5
SB-248	SB-248-10	10	10
SB-249	SB-249-05	5	5
SB-249	SB-249-10	10	10
Additional Soil Characterization Samples (Fall 2007)			
SB-318	SB-318-0203	2	3
SB-318	SB-318-0506	5	6
SB-318	SB-318-0809	8	9
SB-319	SB-319-0203	2	3

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-319	SB-319-0506	5	6
SB-319	SB-319-0809	8	9
SB-320	SB-320-0203	2	3
SB-320	SB-320-0506	5	6
SB-320	SB-320-0809	8	9
SB-321	SB-321-0203	2	3
SB-321	SB-321-0506	5	6
SB-321	SB-321-0809	8	9
SB-322	SB-322-0203	2	3
SB-322	SB-322-0506	5	6
SB-322	SB-322-0809	8	9
SB-323	SB-323-0203	2	3
SB-323	SB-323-0506	5	6
SB-323	SB-323-0809	8	9
SB-324	SB-324-0203	2	3
SB-324	SB-324-0506	5	6
SB-324	SB-324-0809	8	9
SB-325	SB-325-0203	2	3
SB-325	SB-325-0506	5	6
SB-325	SB-325-0809	8	9
SB-326	SB-326-0203	2	3
SB-326	SB-326-0506	5	6
SB-326	SB-326-0809	8	9
SB-327	SB-327-0203	2	3
SB-327	SB-327-0506	5	6
SB-327	SB-327-0809	8	9
SB-328	SB-328-0203	2	3
SB-328	SB-328-0506	5	6
SB-328	SB-328-0809	8	9
SB-329	SB-329-0203	2	3
SB-329	SB-329-0506	5	6
SB-329	SB-329-0809	8	9
SB-330	SB-330-0203	2	3
SB-330	SB-330-0506	5	6
SB-330	SB-330-0809	8	9
SB-331	SB-331-0203	2	3
SB-331	SB-331-0506	5	6
SB-331	SB-331-0809	8	9
SB-332	SB-332-0203	2	3
SB-332	SB-332-0506	5	6
SB-332	SB-332-0809	8	9
SB-333	SB-333-0203	2	3
SB-333	SB-333-0506	5	6
SB-333	SB-333-0809	8	9

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-334	SB-334-0203	2	3
SB-334	SB-334-0506	5	6
SB-334	SB-334-0809	8	9
SB-335	SB-335-0203	2	3
SB-335	SB-335-0506	5	6
SB-335	SB-335-0809	8	9
SB-336	SB-336-0203	2	3
SB-336	SB-336-0506	5	6
SB-336	SB-336-0809	8	9
SB-337	SB-337-0203	2	3
SB-337	SB-337-0506	5	6
SB-337	SB-337-0809	8	9
SB-338	SB-338-0203	2	3
SB-338	SB-338-0506	5	6
SB-338	SB-338-0809	8	9
SB-339	SB-339-0203	2	3
SB-339	SB-339-0506	5	6
SB-339	SB-339-0809	8	9
SB-340	SB-340-0203	2	3
SB-340	SB-340-0506	5	6
SB-340	SB-340-0809	8	9
SB-341	SB-341-0203	2	3
SB-341	SB-341-0506	5	6
SB-341	SB-341-0809	8	9
SB-342	SB-342-0203	2	3
SB-342	SB-342-0506	5	6
SB-342	SB-342-0809	8	9
SB-343	SB-343-0203	2	3
SB-343	SB-343-0506	5	6
SB-343	SB-343-0809	8	9
SB-344	SB-344-0203	2	3
SB-344	SB-344-0506	5	6
SB-344	SB-344-0809	8	9
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-3	3	3
SB-057	F-SB-57RE-4	4	4
SB-057	F-SB-57RE-5	5	5
SB-057	F-SB-57RE-6	6	6
SB-057	F-SB-57RE-7	7	7
SB-057	F-SB-57RE-8	8	8
SB-057	F-SB-57RE-9	9	9
SB-057	F-SB-57RE-10	10	10
SB-058	F-SB-58RE-3	3	3
SB-058	F-SB-58RE-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-058	F-SB-58RE-5	5	5
SB-058	F-SB-58RE-6	6	6
SB-058	F-SB-58RE-7	7	7
SB-058	F-SB-58RE-8	8	8
SB-058	F-SB-58RE-8-D	8	8
SB-058	F-SB-58RE-9	9	9
SB-058	F-SB-58RE-10	10	10
SB-058A	F-SB-58REA-4	4	4
SB-058A	F-SB-58REA-6	6	6
SB-058A	F-SB-58REA-8	8	8
SB-058A	F-SB-58REA-10	10	10
SB-058B	F-SB-58REB-4	4	4
SB-058B	F-SB-58REB-4-D	4	4
SB-058B	F-SB-58REB-6	6	6
SB-058B	F-SB-58REB-8	8	8
SB-058B	F-SB-58REB-10	10	10
SB-058C	F-SB-58REC-4	4	4
SB-058C	F-SB-58REC-6	6	6
SB-058C	F-SB-58REC-8	8	8
SB-058C	F-SB-58REC-10	10	10
SB-058D	F-SB-58RED-4	4	4
SB-058D	F-SB-58RED-6	6	6
SB-058D	F-SB-58RED-8	8	8
SB-058D	F-SB-58RED-10	10	10
SB-060	D-SB-60RE-3	3	3
SB-060	D-SB-60RE-4	4	4
SB-060	D-SB-60RE-5	5	5
SB-060	D-SB-60RE-6	6	6
SB-060	D-SB-60RE-7	7	7
SB-060	D-SB-60RE-8	8	8
SB-060	D-SB-60RE-8-D	8	8
SB-060	D-SB-60RE-9	9	9
SB-060	D-SB-60RE-10	10	10
SB-060A	D-SB-60REA-3	3	3
SB-060A	D-SB-60REA-3-D	3	3
SB-060A	D-SB-60REA-5	5	5
SB-060A	D-SB-60REA-7	7	7
SB-060B	D-SB-60REB-3	3	3
SB-060B	D-SB-60REB-5	5	5
SB-060B	D-SB-60REB-7	7	7
SB-060C	D-SB-60REC-3	3	3
SB-060C	D-SB-60REC-5	5	5
SB-060C	D-SB-60REC-7	7	7
SB-060D	D-SB-60RED-3	3	3

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-060D	D-SB-60RED-5	5	5
SB-060D	D-SB-60RED-7	7	7
SB-060D	D-SB-60RED-7-D	7	7
SB-061	D-SB-61RE-3	3	3
SB-061	D-SB-61RE-4	4	4
SB-061	D-SB-61RE-5	5	5
SB-061	D-SB-61RE-6	6	6
SB-061	D-SB-61RE-7	7	7
SB-061	D-SB-61RE-8	8	8
SB-061	D-SB-61RE-9	9	9
SB-061	D-SB-61RE-10	10	10
SB-061A	D-SB-61REA-3	3	3
SB-061A	D-SB-61REA-3-D	3	3
SB-061A	D-SB-61REA-5	5	5
SB-061A	D-SB-61REA-7	7	7
SB-061A	D-SB-61REA-9	9	9
SB-061B	D-SB-61REB-3	3	3
SB-061B	D-SB-61REB-5	5	5
SB-061B	D-SB-61REB-7	7	7
SB-061B	D-SB-61REB-9	9	9
SB-061C	D-SB-61REC-3	3	3
SB-061C	D-SB-61REC-5	5	5
SB-061C	D-SB-61REC-7	7	7
SB-061C	D-SB-61REC-9	9	9
SB-061D	D-SB-61RED-3	3	3
SB-061D	D-SB-61RED-5	5	5
SB-061D	D-SB-61RED-7	7	7
SB-061D	D-SB-61RED-9	9	9
SB-062	D-SB-62RE-3	3	3
SB-062	D-SB-62RE-4	4	4
SB-062	D-SB-62RE-5	5	5
SB-062	D-SB-62RE-6	6	6
SB-062	D-SB-62RE-7	7	7
SB-062	D-SB-62RE-8	8	8
SB-062	D-SB-62RE-9	9	9
SB-062	D-SB-62RE-10	10	10
SB-062A	D-SB-62REA-3	3	3
SB-062A	D-SB-62REA-5	5	5
SB-062A	D-SB-62REA-7	7	7
SB-062A	D-SB-62REA-9	9	9
SB-062B	D-SB-62REB-3	3	3
SB-062B	D-SB-62REB-5	5	5
SB-062B	D-SB-62REB-7	7	7
SB-062B	D-SB-62REB-7-D	7	7

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-062B	D-SB-62REB-9	9	9
SB-062C	D-SB-62REC-3	3	3
SB-062C	D-SB-62REC-5	5	5
SB-062C	D-SB-62REC-7	7	7
SB-062C	D-SB-62REC-9	9	9
SB-062D	D-SB-62RED-5	5	5
SB-062D	D-SB-62RED-7	7	7
SB-062D	D-SB-62RED-9	9	9
SB-063	D-SB-63RE-3	3	3
SB-063	D-SB-63RE-4	4	4
SB-063	D-SB-63RE-5	5	5
SB-063	D-SB-63RE-6	6	6
SB-063	D-SB-63RE-7	7	7
SB-063	D-SB-63RE-8	8	8
SB-063	D-SB-63RE-9	9	9
SB-063	D-SB-63RE-10	10	10
SB-063A	D-SB-63REA-4	4	4
SB-063A	D-SB-63REA-6	6	6
SB-063B	D-SB-63REB-4	4	4
SB-063B	D-SB-63REB-6	6	6
SB-063C	D-SB-63REC-4	4	4
SB-063C	D-SB-63REC-6	6	6
SB-063D	D-SB-63RED-4	4	4
SB-063D	D-SB-63RED-6	6	6
SB-065	D-SB-65RE-3	3	3
SB-065	D-SB-65RE-5	5	5
SB-065	D-SB-65RE-5-D	5	5
SB-065	D-SB-65RE-6	6	6
SB-065	D-SB-65RE-7	7	7
SB-065	D-SB-65RE-8	8	8
SB-065	D-SB-65RE-9	9	9
SB-065	D-SB-65RE-10	10	10
SB-066	D-SB-66RE-3	3	3
SB-066	D-SB-66RE-4	4	4
SB-066	D-SB-66RE-5	5	5
SB-066	D-SB-66RE-6	6	6
SB-066	D-SB-66RE-7	7	7
SB-066	D-SB-66RE-8	8	8
SB-066	D-SB-66RE-8-D	8	8
SB-066A	D-SB-66REA-4	4	4
SB-066B	D-SB-66REB-4	4	4
SB-066C	D-SB-66REC-4	4	4
SB-066D	D-SB-66RED-3	3	3
SB-066D	D-SB-66RED-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-066D	D-SB-66RED-4-D	4	4
SB-239	D-SB-239RE-3	3	3
SB-239	D-SB-239RE-4	4	4
SB-239	D-SB-239RE-5	5	5
SB-239	D-SB-239RE-6	6	6
SB-239	D-SB-239RE-7	7	7
SB-239	D-SB-239RE-8	8	8
SB-239	D-SB-239RE-9	9	9
SB-239	D-SB-239RE-10	10	10
SB-240	D-SB-240RE-3	3	3
SB-240	D-SB-240RE-4	4	4
SB-240	D-SB-240RE-6	6	6
SB-240	D-SB-240RE-7	7	7
SB-240	D-SB-240RE-8	8	8
SB-240	D-SB-240RE-8-D	8	8
SB-240	D-SB-240RE-10	10	10
SB-240A	D-SB-240REA-3	3	3
SB-240A	D-SB-240REA-5	5	5
SB-240A	D-SB-240REA-7	7	7
SB-240A	D-SB-240REA-7-D	7	7
SB-240A	D-SB-240REA-9	9	9
SB-240B	D-SB-240REB-3	3	3
SB-240B	D-SB-240REB-5	5	5
SB-240B	D-SB-240REB-7	7	7
SB-240B	D-SB-240REB-9	9	9
SB-240C	D-SB-240REC-3	3	3
SB-240C	D-SB-240REC-3-D	3	3
SB-240C	D-SB-240REC-5	5	5
SB-240C	D-SB-240REC-7	7	7
SB-240C	D-SB-240REC-9	9	9
SB-240D	D-SB-240RED-3	3	3
SB-240D	D-SB-240RED-5	5	5
SB-240D	D-SB-240RED-7	7	7
SB-240D	D-SB-240RED-9	9	9
SB-243	D-SB-243RE-3	3	3
SB-243	D-SB-243RE-4	4	4
SB-243	D-SB-243RE-5	5	5
SB-243	D-SB-243RE-6	6	6
SB-243	D-SB-243RE-7	7	7
SB-243	D-SB-243RE-8	8	8
SB-243	D-SB-243RE-8-D	8	8
SB-243	D-SB-243RE-9	9	9
SB-243	D-SB-243RE-10	10	10
SB-243A	D-SB-243REA-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-243B	D-SB-243REB-4	4	4
SB-243C	D-SB-243REC-4	4	4
SB-243D	D-SB-243RED-4	4	4
SB-243D	D-SB-243RED-4-D	4	4
SB-592	D-SB-592-3	3	3
SB-592	D-SB-592-4	4	4
SB-592	D-SB-592-5	5	5
SB-592	D-SB-592-6	6	6
SB-592	D-SB-592-9	9	9
SB-592	D-SB-592-10	10	10
SB-592	D-SB-592-10-D	10	10
SB-592A	D-SB-592A-4	4	4
SB-592A	D-SB-592A-6	6	6
SB-592A	D-SB-592A-8	8	8
SB-592B	D-SB-592B-4	4	4
SB-592B	D-SB-592B-6	6	6
SB-592B	D-SB-592B-6-D	6	6
SB-592B	D-SB-592B-8	8	8
SB-592D	D-SB-592D-4	4	4
SB-592D	D-SB-592D-6	6	6
SB-592D	D-SB-592D-8	8	8
SB-593	D-SB-593-3	3	3
SB-594	D-SB-594-3	3	3
SB-595	D-SB-595-3	3	3
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-03	3	3
SB-766	D-SB-766-05	5	5
SB-766	D-SB-766-07	7	7
SB-766	D-SB-766-09	9	9
SB-767	D-SB-767-03	3	3
SB-767	D-SB-767-05	5	5
SB-767	D-SB-767-07	7	7
SB-767	D-SB-767-09	9	9
SB-768	D-SB-768-03	3	3
SB-768	D-SB-768-05	5	5
SB-768	D-SB-768-07	7	7
SB-768	D-SB-768-09	9	9
SB-769	D-SB-769-03	3	3
SB-769	D-SB-769-05	5	5
SB-769	D-SB-769-07	7	7
SB-769	D-SB-769-09	9	9
SB-770	D-SB-770-03	3	3
SB-770	D-SB-770-05	5	5
SB-770	D-SB-770-07	7	7

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-770	D-SB-770-09	9	9
SB-771	D-SB-771-03	3	3
SB-771	D-SB-771-05	5	5
SB-771	D-SB-771-07	7	7
SB-771	D-SB-771-09	9	9
SB-772	D-SB-772-03	3	3
SB-772	D-SB-772-05	5	5
SB-772	D-SB-772-07	7	7
SB-772	D-SB-772-09	9	9
SB-773	D-SB-773-03	3	3
SB-773	D-SB-773-05	5	5
SB-773	D-SB-773-05-D	5	5
SB-773	D-SB-773-09	9	9
SB-774	D-SB-774-03	3	3
SB-774	D-SB-774-05	5	5
SB-774	D-SB-774-07	7	7
SB-774	D-SB-774-09	9	9
SB-775	D-SB-775-03	3	3
SB-775	D-SB-775-05	5	5
SB-775	D-SB-775-07	7	7
SB-775	D-SB-775-09	9	9
SB-776	D-SB-776-03	3	3
SB-776	D-SB-776-05	5	5
SB-776	D-SB-776-07	7	7
SB-776	D-SB-776-09	9	9
SB-776	D-SB-776-09-D	9	9
SB-777	D-SB-777-03	3	3
SB-777	D-SB-777-05	5	5
SB-777	D-SB-777-07	7	7
SB-777	D-SB-777-09	9	9
SB-778	D-SB-778-03	3	3
SB-778	D-SB-778-05	5	5
SB-778	D-SB-778-07	7	7
SB-778	D-SB-778-09	9	9
SB-779	D-SB-779-03	3	3
SB-779	D-SB-779-05	5	5
SB-779	D-SB-779-07	7	7
SB-779	D-SB-779-09	9	9
SB-780	D-SB-780-03	3	3
SB-780	D-SB-780-05	5	5
SB-780	D-SB-780-07	7	7
SB-780	D-SB-780-09	9	9
SB-781	D-SB-781-03	3	3
SB-781	D-SB-781-05	5	5

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-781	D-SB-781-07	7	7
SB-781	D-SB-781-09	9	9
SB-782	D-SB-782-03	3	3
SB-782	D-SB-782-05	5	5
SB-782	D-SB-782-07	7	7
SB-782	D-SB-782-09	9	9
SB-783	D-SB-783-03	3	3
SB-783	D-SB-783-05	5	5
SB-783	D-SB-783-07	7	7
SB-783	D-SB-783-09	9	9
SB-784	D-SB-784-03	3	3
SB-784	D-SB-784-05	5	5
SB-784	D-SB-784-07	7	7
SB-784	D-SB-784-09	9	9
SB-785	D-SB-785-03	3	3
SB-785	D-SB-785-05	5	5
SB-785	D-SB-785-07	7	7
SB-785	D-SB-785-09	9	9
SB-786	D-SB-786-03	3	3
SB-786	D-SB-786-05	5	5
SB-786	D-SB-786-07	7	7
SB-786	D-SB-786-09	9	9
SB-787	D-SB-787-03	3	3
SB-787	D-SB-787-05	5	5
SB-787	D-SB-787-07	7	7
SB-787	D-SB-787-09	9	9
SB-788	D-SB-788-03	3	3
SB-788	D-SB-788-05	5	5
SB-788	D-SB-788-07	7	7
SB-788	D-SB-788-09	9	9
SB-789	D-SB-789-03	3	3
SB-789	D-SB-789-05	5	5
SB-789	D-SB-789-07	7	7
SB-789	D-SB-789-09	9	9
SB-790	D-SB-790-03	3	3
SB-790	D-SB-790-05	5	5
SB-790	D-SB-790-07	7	7
SB-790	D-SB-790-09	9	9
SB-791	D-SB-791-03	3	3
SB-791	D-SB-791-05	5	5
SB-791	D-SB-791-07	7	7
SB-791	D-SB-791-09	9	9
SB-792	D-SB-792-03	3	3
SB-792	D-SB-792-05	5	5

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-792	D-SB-792-07	7	7
SB-792	D-SB-792-09	9	9
SB-793	D-SB-793-03	3	3
SB-793	D-SB-793-05	5	5
SB-793	D-SB-793-07	7	7
SB-793	D-SB-793-09	9	9
SB-794	D-SB-794-03	3	3
SB-794	D-SB-794-05	5	5
SB-794	D-SB-794-07	7	7
SB-794	D-SB-794-09	9	9
SB-795	D-SB-795-03	3	3
SB-795	D-SB-795-05	5	5
SB-795	D-SB-795-07	7	7
SB-795	D-SB-795-09	9	9
SB-796	D-SB-796-03	3	3
SB-796	D-SB-796-05	5	5
SB-796	D-SB-796-07	7	7
SB-796	D-SB-796-09	9	9

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-001	SB-1-05	5	5
SB-001	SB-1-10	10	10
SB-002	SB-2-05	5	5
SB-002	SB-2-10	10	10
SB-003	SB-3-05	5	5
SB-003	SB-3-10	10	10
SB-004	SB-4-05	5	5
SB-004	SB-4-10	10	10
SB-005	SB-5-05	5	5
SB-005	SB-5-10	10	10
SB-006	SB-6-05	5	5
SB-006	SB-6-10	10	10
SB-009	SB-9-05	5	5
SB-010	SB-10-05	5	5
SB-011	SB-11-05	5	5
SB-012	SB-12-05	5	5
SB-013	SB-13-05	5	5
SB-014	SB-14-05	5	5
SB-015	SB-15-05	5	5
SB-016	SB-16-05	5	5
SB-017	SB-17-05	5	5
SB-018	SB-18-05	5	5
SB-019	SB-19-05	5	5
SB-019	SB-19-10	10	10
SB-020	SB-20-05	5	5
SB-020	SB-20-10	10	10
SB-021	SB-21-05	5	5
SB-021	SB-21-10	10	10
Site-Wide Phase II Investigation Samples (2004)			
SB-035	SB-35-04	4	4
SB-036	SB-36-05	5	5
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW43A	MRC-MW43[0910]	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-500	SB-500-0406	4	6
SB-500	SB-500-0810	8	10
SB-501	SB-501-0406	4	6
SB-501	SB-501-0810	8	10
SB-502	SB-502-0406	4	6
SB-502	SB-502-0810	8	10
SB-503	SB-503-0406	4	6
SB-504	SB-504-0406	4	6
SB-504	SB-504-0810	8	10
SB-505	SB-505-0406	4	6
SB-505	SB-505-0810	8	10

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-506	SB-506-0406	4	6
SB-506	SB-506-0810	8	10
SB-507	SB-507-0406	4	6
SB-507	SB-507-0810	8	10
SB-508	SB-508-0406	4	6
SB-508	SB-508-0406-D	4	6
SB-508	SB-508-0810	8	10
SB-509	SB-509-0406	4	6
SB-509	SB-509-0810	8	10
SB-510	SB-510-0406	4	6
SB-510	SB-510-0810	8	10
SB-510	SB-510-0810-D	8	10
SB-511	SB-511-0406	4	6
SB-511	SB-511-0810	8	10
SB-512	SB-512-0406	4	6
SB-512	SB-512-0810	8	10
SB-512	SB-512-0810-D	8	10
SB-513	SB-513-0406	4	6
SB-513	SB-513-0810	8	10
SB-514	SB-514-0406	4	6
SB-514	SB-514-0810	8	10
SB-514	SB-514-0810-D	8	10
SB-515	SB-515-0406	4	6
SB-515	SB-515-0810	8	10
SB-517	SB-517-0406	4	6
SB-517	SB-517-0810	8	10
SB-518	SB-518-0406	4	6
SB-518	SB-518-0810	8	10
SB-519	SB-519-0406	4	6
SB-519	SB-519-0810	8	10
SB-520	SB-520-0406	4	6
SB-520	SB-520-0810	8	10
Supplemental Soil Investigation Samples (Fall 2008)			
SB-541A	SB-541A-4	4	4
SB-542	SB-542-3	3	3
SB-542	SB-542-4	4	4
SB-543A	SB-543A-3	3	3
SB-543A	SB-543A-4	4	4
SB-545	SB-545-4	4	4
SB-547	SB-547-3	3	3
SB-547	SB-547-4	4	4
SB-548	SB-548-3	3	3
SB-548	SB-548-4	4	4
SB-550A	SB-550A-3	3	3
SB-550A	SB-550A-4	4	4
SB-554	SB-554-3	3	3

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-554	SB-554-4	4	4
SB-555	SB-555-4	4	4
SB-555	SB-555-6	6	6
SB-555	SB-555-8	8	8
SB-555A	SB-555A-10	10	10
SB-556	SB-556-4	4	4
SB-556	SB-556-6	6	6
SB-556	SB-556-8	8	8
SB-557	SB-557-4	4	4
SB-557	SB-557-6	6	6
SB-557	SB-557-8	8	8
SB-558	SB-558-4	4	4
SB-558	SB-558-6	6	6
SB-558	SB-558-8	8	8
SB-559	SB-559-4	4	4
SB-559	SB-559-6	6	6
SB-559	SB-559-8	8	8
SB-560	SB-560-4	4	4
SB-561	SB-561-4	4	4
SB-561	SB-561-6	6	6
SB-561	SB-561-8	8	8
SB-561A	SB-561A-6	6	6
SB-561A	SB-561A-8	8	8
SB-562	SB-562-4	4	4
SB-562	SB-562-6	6	6
SB-562	SB-562-8	8	8
SB-563	SB-563-4	4	4
SB-563	SB-563-6	6	6
SB-563	SB-563-8	8	8
SB-564	SB-564-4	4	4
SB-565	SB-565-4	4	4
SB-566	SB-566-4	4	4
SB-566	SB-566-6	6	6
SB-566	SB-566-8	8	8
SB-567	SB-567-4	4	4
SB-568	SB-568-4	4	4
SB-568	SB-568-4-D	4	4
SB-568	SB-568-6	6	6
SB-568	SB-568-8	8	8
SB-568A	SB-568A-6	6	6
SB-568A	SB-568A-8	8	8
SB-568A	SB-568A-10	10	10
SB-569	SB-569-4	4	4
SB-569	SB-569-6	6	6
SB-569	SB-569-8	8	8
SB-570	SB-570-4	4	4

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-570	SB-570-6	6	6
SB-570	SB-570-8	8	8
SB-570A	SB-570A-6	6	6
SB-570A	SB-570A-8	8	8
SB-570A	SB-570A-10	10	10
SB-571	SB-571-4	4	4
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-03	3	3
SB-818	E-SB-818-05	5	5
SB-818	E-SB-818-07	7	7
SB-818	E-SB-818-09	9	9
SB-819	E-SB-819-03	3	3
SB-819	E-SB-819-05	5	5
SB-819	E-SB-819-07	7	7
SB-819	E-SB-819-07-D	7	7
SB-819	E-SB-819-09	9	9
SB-820	E-SB-820-03	3	3
SB-820	E-SB-820-05	5	5
SB-820	E-SB-820-07	7	7
SB-820	E-SB-820-09	9	9
SB-821	E-SB-821-03	3	3
SB-821	E-SB-821-05	5	5
SB-821	E-SB-821-07	7	7
SB-821	E-SB-821-09	9	9
SB-821	E-SB-821-09-D	9	9
SB-822	E-SB-822-03	3	3
SB-822	E-SB-822-05	5	5
SB-822	E-SB-822-05-D	5	5
SB-822	E-SB-822-07	7	7
SB-822	E-SB-822-09	9	9
SB-823	E-SB-823-05	5	5
SB-823	E-SB-823-07	7	7
SB-824	E-SB-824-03	3	3
SB-824	E-SB-824-05	5	5
SB-824	E-SB-824-07	7	7
SB-824	E-SB-824-07-D	7	7
SB-824	E-SB-824-09	9	9
SB-825	E-SB-825-03	3	3
SB-825	E-SB-825-05	5	5
SB-825	E-SB-825-07	7	7
SB-825	E-SB-825-09	9	9
SB-826	E-SB-826-05	5	5
SB-826	E-SB-826-07	7	7
SB-826	E-SB-826-09	9	9
SB-826	E-SB-826-09-D	9	9
SB-827	E-SB-827-03	3	3

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-827	E-SB-827-05	5	5
SB-827	E-SB-827-07	7	7
SB-827	E-SB-827-09	9	9
SB-828	E-SB-828-03	3	3
SB-828	E-SB-828-09	9	9
SB-829	E-SB-829-03	3	3
SB-829	E-SB-829-05	5	5
SB-829	E-SB-829-07	7	7
SB-829	E-SB-829-09	9	9
SB-830	E-SB-830-03	3	3
SB-830	E-SB-830-05	5	5
SB-830	E-SB-830-07	7	7
SB-830	E-SB-830-09	9	9
SB-831	E-SB-831-03	3	3
SB-831	E-SB-831-05	5	5
SB-831	E-SB-831-07	7	7
SB-831	E-SB-831-09	9	9
SB-832	E-SB-832-05	5	5
SB-832	E-SB-832-07	7	7
SB-832	E-SB-832-09	9	9
SB-833	E-SB-833-03	3	3
SB-833	E-SB-833-05	5	5
SB-833	E-SB-833-07	7	7
SB-833	E-SB-833-09	9	9
SB-833A	E-SB-833A-06	6	6
SB-833A	E-SB-833A-10	10	10
SB-833B	E-SB-833B-04	4	4
SB-833B	E-SB-833B-06	6	6
SB-833B	E-SB-833B-08	8	8
SB-833B	E-SB-833B-10	10	10
SB-833C	E-SB-833C-04	4	4
SB-833C	E-SB-833C-06	6	6
SB-833C	E-SB-833C-08	8	8
SB-833C	E-SB-833C-10	10	10
SB-833D	E-SB-833D-04	4	4
SB-833D	E-SB-833D-06	6	6
SB-833D	E-SB-833D-08	8	8
SB-833D	E-SB-833D-10	10	10
SB-833E	E-SB-833E-06	6	6
SB-833E	E-SB-833E-10	10	10
SB-833F	E-SB-833F-04	4	4
SB-833F	E-SB-833F-06	6	6
SB-833F	E-SB-833F-08	8	8
SB-833F	E-SB-833F-10	10	10
SB-833G	E-SB-833G-06	6	6
SB-833G	E-SB-833G-08	8	8

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-833G	E-SB-833G-10	10	10
SB-833H	E-SB-833H-06	6	6
SB-833H	E-SB-833H-08	8	8
SB-833H	E-SB-833H-10	10	10
SB-833I	E-SB-833I-08	8	8
SB-833I	E-SB-833I-10	10	10
SB-833J	E-SB-833J-04	4	4
SB-833J	E-SB-833J-06	6	6
SB-833J	E-SB-833J-08	8	8
SB-833J	E-SB-833J-10	10	10
SB-833K	E-SB-833K-06	6	6
SB-833K	E-SB-833K-08	8	8
SB-833K	E-SB-833K-10	10	10
SB-833L	E-SB-833L-04	4	4
SB-833L	E-SB-833L-06	6	6
SB-833L	E-SB-833L-08	8	8
SB-833M	E-SB-833M-04	4	4
SB-833M	E-SB-833M-06	6	6
SB-833M	E-SB-833M-08	8	8
SB-833M	E-SB-833M-10	10	10
SB-833N	E-SB-833N-04	4	4
SB-833N	E-SB-833N-06	6	6
SB-833N	E-SB-833N-08	8	8
SB-833N	E-SB-833N-10	10	10
SB-834	E-SB-834-05	5	5
SB-834	E-SB-834-07	7	7
SB-834	E-SB-834-09	9	9
SB-835	E-SB-835-03	3	3
SB-835	E-SB-835-05	5	5
SB-835	E-SB-835-07	7	7
SB-835	E-SB-835-09	9	9
SB-836	E-SB-836-03	3	3
SB-836	E-SB-836-05	5	5
SB-836	E-SB-836-07	7	7
SB-836	E-SB-836-09	9	9
SB-837	E-SB-837-03	3	3
SB-837	E-SB-837-05	5	5
SB-837	E-SB-837-07	7	7
SB-837	E-SB-837-09	9	9
SB-838	E-SB-838-3	3	3
SB-838	E-SB-838-5	5	5
SB-838	E-SB-838-7	7	7
SB-838	E-SB-838-9	9	9
SB-839	E-SB-839-03	3	3
SB-839	E-SB-839-05	5	5
SB-839	E-SB-839-07	7	7

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-839	E-SB-839-09	9	9
SB-840	E-SB-840-03	3	3
SB-840	E-SB-840-05	5	5
SB-840	E-SB-840-05-D	5	5
SB-840	E-SB-840-07	7	7
SB-840	E-SB-840-09	9	9
SB-841	E-SB-841-03	3	3
SB-841	E-SB-841-05	5	5
SB-841	E-SB-841-07	7	7
SB-841	E-SB-841-09	9	9
SB-842	E-SB-842-3	3	3
SB-842	E-SB-842-5	5	5
SB-842	E-SB-842-7	7	7
SB-842	E-SB-842-9	9	9
SB-843	E-SB-843-03	3	3
SB-843	E-SB-843-05	5	5
SB-843	E-SB-843-07	7	7
SB-843	E-SB-843-09	9	9
SB-844	E-SB-844-03	3	3
SB-844	E-SB-844-05	5	5
SB-844	E-SB-844-07	7	7
SB-844	E-SB-844-09	9	9
SB-845	E-SB-845-03	3	3
SB-845	E-SB-845-05	5	5
SB-845	E-SB-845-07	7	7
SB-845	E-SB-845-09	9	9
SB-846	E-SB-846-03	3	3
SB-846	E-SB-846-05	5	5
SB-846	E-SB-846-07	7	7
SB-846	E-SB-846-09	9	9
SB-847	E-SB-847-03	3	3
SB-847	E-SB-847-05	5	5
SB-847	E-SB-847-07	7	7
SB-847	E-SB-847-09	9	9

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-022	SB-22-05	5	5
SB-022	SB-22-10	10	10
SB-023	SB-23-05	5	5
SB-023	SB-23-10	10	10
SB-024	SB-24-05	5	5
SB-024	SB-24-10	10	10
SB-025	SB-25-05	5	5
SB-025	SB-25-10	10	10
SB-026	SB-26-10	10	10
SB-027	SB-27-10	10	10
SB-028	SB-28-10	10	10
SB-029	SB-29-10	10	10
SB-030	SB-30-05	5	5
Site-Wide Phase II Investigation Samples (2004)			
SB-050	SB-50-05	5	5
SB-050	SB-50-10	10	10
SB-055	SB-55-05	5	5
SB-055	SB-55-10	10	10
SB-056	SB-56-05	5	5
SB-056	SB-56-10	10	10
SB-093	SB-93-05	5	5
SB-093	SB-93-10	10	10
SB-094	SB-94-05	5	5
SB-094	SB-94-10	10	10
SB-095	SB-95-05	5	5
SB-095	SB-95-10	10	10
SB-096	SB-96-05	5	5
SB-096	SB-96-10	10	10
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW46A	MRC-MW46[0910]	9	10
Phase II Soil Investigation Samples (Summer 2005)			
SB-236	SB-236-05	5	5
SB-237	SB-237-05	5	5
SB-238	SB-238-05	5	5
SB-295	SB-295-0405	4	5
SB-295	SB-295-0910	9	10
SB-296	SB-296-0405	4	5
SB-296	SB-296-0910	9	10
SB-297	SB-297-0405	4	5
SB-297	SB-297-0910	9	10
SB-298	SB-298-0405	4	5
SB-298	SB-298-0910	9	10
SB-299	SB-299-0405	4	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-299	SB-299-0910	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-382	SB-382-0203	2	3
SB-382	SB-382-0405	4	5
SB-382	SB-382-0708	7	8
SB-383	SB-383-0203	2	3
SB-383	SB-383-0405	4	5
SB-383	SB-383-0708	7	8
SB-384	SB-384-0203	2	3
SB-384	SB-384-0405	4	5
SB-384	SB-384-0708	7	8
SB-385	SB-385-0203	2	3
SB-385	SB-385-0405	4	5
SB-385	SB-385-0708	7	8
SB-386	SB-386-0203	2	3
SB-386	SB-386-0405	4	5
SB-386	SB-386-0708	7	8
SB-387	SB-387-0203	2	3
SB-387	SB-387-0405	4	5
SB-387	SB-387-0708	7	8
SB-388	SB-388-0203	2	3
SB-388	SB-388-0405	4	5
SB-388	SB-388-0708	7	8
SB-389	SB-389-0203	2	3
SB-389	SB-389-0405	4	5
SB-389	SB-389-0708	7	8
SB-390	SB-390-0203	2	3
SB-390	SB-390-0405	4	5
SB-390	SB-390-0708	7	8
SB-391	SB-391-0203	2	3
SB-391	SB-391-0405	4	5
SB-391	SB-391-0708	7	8
SB-392	SB-392-0203	2	3
SB-392	SB-392-0405	4	5
SB-392	SB-392-0708	7	8
SB-393	SB-393-0203	2	3
SB-393	SB-393-0405	4	5
SB-393	SB-393-0708	7	8
SB-394	SB-394-0203	2	3
SB-394	SB-394-0405	4	5
SB-394	SB-394-0708	7	8
SB-395	SB-395-0203	2	3
SB-395	SB-395-0405	4	5
SB-395	SB-395-0708	7	8

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-396	SB-396-0203	2	3
SB-396	SB-396-0405	4	5
SB-396	SB-396-0708	7	8
SB-397	SB-397-0203	2	3
SB-397	SB-397-0405	4	5
SB-397	SB-397-0708	7	8
SB-398	SB-398-0203	2	3
SB-398	SB-398-0405	4	5
SB-398	SB-398-0708	7	8
SB-399	SB-399-0203	2	3
SB-399	SB-399-0405	4	5
SB-399	SB-399-0708	7	8
SB-400	SB-400-0203	2	3
SB-400	SB-400-0405	4	5
SB-400	SB-400-0708	7	8
SB-401	SB-401-0203	2	3
SB-401	SB-401-0405	4	5
SB-401	SB-401-0708	7	8
SB-402	SB-402-0203	2	3
SB-402	SB-402-0405	4	5
SB-402	SB-402-0708	7	8
SB-403	SB-403-0203	2	3
SB-403	SB-403-0405	4	5
SB-403	SB-403-0708	7	8
SB-404	SB-404-0203	2	3
SB-404	SB-404-0405	4	5
SB-404	SB-404-0708	7	8
SB-405	SB-405-0203	2	3
SB-405	SB-405-0405	4	5
SB-405	SB-405-0708	7	8
SB-406	SB-406-0203	2	3
SB-406	SB-406-0405	4	5
SB-406	SB-406-0708	7	8
SB-407	SB-407-0203	2	3
SB-407	SB-407-0405	4	5
SB-407	SB-407-0708	7	8
SB-408	SB-408-0203	2	3
SB-408	SB-408-0405	4	5
SB-408	SB-408-0708	7	8
SB-409	SB-409-0203	2	3
SB-409	SB-409-0405	4	5
SB-409	SB-409-0708	7	8
SB-489	SB-489-0203	2	3
SB-489	SB-489-0405	4	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-489	SB-489-0708	7	8
SB-490	SB-490-0405	4	5
SB-490	SB-490-0708	7	8
Final Soil Delineation Samples (Fall 2009)			
SB-024A	F-SB-24ARE-3	3	3
SB-024A	F-SB-24ARE-4	4	4
SB-024A	F-SB-24ARE-5	5	5
SB-055	F-SB-55RE-10	10	10
SB-056	F-SB-56RE-3	3	3
SB-056	F-SB-56RE-4	4	4
SB-056	F-SB-56RE-5	5	5
SB-056	F-SB-56RE-6	6	6
SB-056	F-SB-56RE-7	7	7
SB-056	F-SB-56RE-8	8	8
SB-056	F-SB-56RE-9	9	9
SB-056	F-SB-56RE-10	10	10
SB-093	F-SB-93RE-3	3	3
SB-093	F-SB-93RE-4	4	4
SB-093	F-SB-93RE-5	5	5
SB-093	F-SB-93RE-6	6	6
SB-093	F-SB-93RE-7	7	7
SB-093	F-SB-93RE-8	8	8
SB-093	F-SB-93RE-9	9	9
SB-093	F-SB-93RE-10	10	10
SB-094	F-SB-94RE-3	3	3
SB-094	F-SB-94RE-4	4	4
SB-094	F-SB-94RE-5	5	5
SB-094	F-SB-94RE-6	6	6
SB-094	F-SB-94RE-7	7	7
SB-094	F-SB-94RE-8	8	8
SB-094	F-SB-94RE-9	9	9
SB-094	F-SB-94RE-10	10	10
SB-095	F-SB-95RE-3	3	3
SB-095	F-SB-95RE-4	4	4
SB-095	F-SB-95RE-5	5	5
SB-095	F-SB-95RE-6	6	6
SB-095	F-SB-95RE-7	7	7
SB-095	F-SB-95RE-8	8	8
SB-095	F-SB-95RE-9	9	9
SB-095	F-SB-95RE-10	10	10
SB-096	F-SB-96RE-3	3	3
SB-096	F-SB-96RE-4	4	4
SB-096	F-SB-96RE-5	5	5
SB-096	F-SB-96RE-6	6	6

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-096	F-SB-96RE-7	7	7
SB-096	F-SB-96RE-8	8	8
SB-096	F-SB-96RE-9	9	9
SB-096	F-SB-96RE-10	10	10
SB-265RE	F-SB-265RE-3	3	3
SB-265RE	F-SB-265RE-4	4	4
SB-266RE	F-SB-266RE-3	3	3
SB-266RE	F-SB-266RE-4	4	4
SB-267RE	F-SB-267RE-3	3	3
SB-267RE	F-SB-267RE-4	4	4
SB-268RE	F-SB-268RE-3	3	3
SB-268RE	F-SB-268RE-4	4	4
SB-268RE	F-SB-268RE-5	5	5
SB-268RE	F-SB-268RE-6	6	6
SB-268RE	F-SB-268RE-7	7	7
SB-268RE	F-SB-268RE-7-D	7	7
SB-268RE	F-SB-268RE-8	8	8
SB-268RE	F-SB-268RE-9	9	9
SB-268RE	F-SB-268RE-10	10	10
SB-269RE	F-SB-269RE-3	3	3
SB-269RE	F-SB-269RE-4	4	4
SB-270RE	F-SB-270RE-3	3	3
SB-270RE	F-SB-270RE-4	4	4
SB-383	F-SB-383RE-3	3	3
SB-383	F-SB-383RE-4	4	4
SB-388	F-SB-388RE-3	3	3
SB-388	F-SB-388RE-4	4	4
SB-388	F-SB-388RE-5	5	5
SB-389	F-SB-389RE-3	3	3
SB-389	F-SB-389RE-4	4	4
SB-390	F-SB-390RE-6	6	6
SB-390	F-SB-390RE-7	7	7
SB-393	F-SB-393RE-3	3	3
SB-393	F-SB-393RE-4	4	4
SB-393	F-SB-393RE-5	5	5
SB-393	F-SB-393RE-5-D	5	5
SB-393	F-SB-393RE-6	6	6
SB-393	F-SB-393RE-7	7	7
SB-397	F-SB-397RE-6	6	6
SB-397	F-SB-397RE-7	7	7
SB-405	F-SB-405RE-9	9	9
SB-405	F-SB-405RE-10	10	10
SB-626	F-SB-626-3	3	3
SB-626	F-SB-626-4	4	4

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-626	F-SB-626-5	5	5
SB-626C	F-SB-626C-3	3	3
SB-626D	F-SB-626D-3	3	3
SB-626D	F-SB-626D-3-D	3	3
SB-628	F-SB-628-10	10	10
SB-629	F-SB-629-10	10	10
SB-630	F-SB-630-10	10	10
SB-631	F-SB-631-10	10	10
SB-632	F-SB-632-9	9	9
SB-632	F-SB-632-10	10	10
SB-633	F-SB-633-9	9	9
SB-633	F-SB-633-10	10	10
SB-634	F-SB-634-9	9	9
SB-634	F-SB-634-10	10	10
SB-635	F-SB-635-9	9	9
SB-635	F-SB-635-10	10	10
SB-635	F-SB-635-10-D	10	10
SB-635C	F-SB-635C-3	3	3
SB-635C	F-SB-635C-5	5	5
SB-635C	F-SB-635C-7	7	7
SB-635C	F-SB-635C-7-D	7	7
SB-635D	F-SB-635D-5	5	5
SB-635D	F-SB-635D-7	7	7
SB-635D	F-SB-635D-9	9	9
SB-636	F-SB-636-3	3	3
SB-636	F-SB-636-3-D	3	3
SB-636	F-SB-636-5	5	5
SB-636	F-SB-636-7	7	7
SB-636	F-SB-636-9	9	9
SB-636A	F-SB-636A-3	3	3
SB-636A	F-SB-636A-5	5	5
SB-636A	F-SB-636A-7	7	7
SB-636A	F-SB-636A-7-D	7	7
SB-636B	F-SB-636B-3	3	3
SB-636B	F-SB-636B-5	5	5
SB-636B	F-SB-636B-7	7	7
SB-636C	F-SB-636C-3	3	3
SB-636C	F-SB-636C-5	5	5
SB-636C	F-SB-636C-7	7	7
SB-636D	F-SB-636D-3	3	3
SB-636D	F-SB-636D-5	5	5
SB-636D	F-SB-636D-7	7	7
SB-637	F-SB-637-3	3	3
SB-637	F-SB-637-5	5	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-637B	F-SB-637B-3	3	3
SB-637B	F-SB-637B-5	5	5
SB-637B	F-SB-637B-5-D	5	5
SB-637C	F-SB-637C-3	3	3
SB-637C	F-SB-637C-5	5	5
SB-638	F-SB-638-3	3	3
SB-638	F-SB-638-3-D	3	3
SB-638	F-SB-638-5	5	5
SB-639	F-SB-639-3	3	3
SB-639	F-SB-639-5	5	5
SB-640	F-SB-640-3	3	3
SB-640	F-SB-640-5	5	5
SB-641	F-SB-641-3	3	3
SB-641	F-SB-641-5	5	5
SB-641A	F-SB-641A-3	3	3
SB-641B	F-SB-641B-3	3	3
SB-641C	F-SB-641C-3	3	3
SB-642	F-SB-642-3	3	3
SB-642	F-SB-642-3-D	3	3
SB-642	F-SB-642-5	5	5
SB-642	F-SB-642-7	7	7
SB-642	F-SB-642-9	9	9
SB-642A	F-SB-642A-3	3	3
SB-642A	F-SB-642A-5	5	5
SB-642A	F-SB-642A-7	7	7
SB-642A	F-SB-642A-9	9	9
SB-642B	F-SB-642B-3	3	3
SB-642B	F-SB-642B-5	5	5
SB-642B	F-SB-642B-7	7	7
SB-642B	F-SB-642B-9	9	9
SB-642C	F-SB-642C-3	3	3
SB-642C	F-SB-642C-5	5	5
SB-642C	F-SB-642C-7	7	7
SB-642C	F-SB-642C-7-D	7	7
SB-642C	F-SB-642C-9	9	9
SB-643	F-SB-643-3	3	3
SB-643	F-SB-643-5	5	5
SB-643	F-SB-643-7	7	7
SB-643	F-SB-643-9	9	9
SB-643B	F-SB-643B-3	3	3
SB-643B	F-SB-643B-5	5	5
SB-643B	F-SB-643B-7	7	7
SB-643B	F-SB-643B-7-D	7	7
SB-643B	F-SB-643B-9	9	9

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-643C	F-SB-643C-3	3	3
SB-643C	F-SB-643C-5	5	5
SB-643C	F-SB-643C-7	7	7
SB-643C	F-SB-643C-9	9	9
SB-644	F-SB-644-3	3	3
SB-644	F-SB-644-3-D	3	3
SB-644	F-SB-644-5	5	5
SB-644	F-SB-644-7	7	7
SB-644	F-SB-644-9	9	9
SB-645	F-SB-645-3	3	3
SB-645	F-SB-645-5	5	5
SB-645	F-SB-645-7	7	7
SB-645A	F-SB-645A-3	3	3
SB-645B	F-SB-645B-3	3	3
SB-645B	F-SB-645B-3-D	3	3
SB-645C	F-SB-645C-3	3	3
SB-646	F-SB-646-3	3	3
SB-646	F-SB-646-3-D	3	3
SB-646	F-SB-646-5	5	5
SB-646	F-SB-646-7	7	7
SB-647	F-SB-647-3	3	3
SB-647	F-SB-647-5	5	5
SB-647	F-SB-647-7	7	7
SB-647A	F-SB-647A-3	3	3
SB-647B	F-SB-647B-3	3	3
SB-647C	F-SB-647C-3	3	3
SB-648	F-SB-648-3	3	3
SB-648	F-SB-648-5	5	5
SB-648	F-SB-648-7	7	7
SB-649	F-SB-649-3	3	3
SB-649	F-SB-649-5	5	5
SB-650	F-SB-650-3	3	3
SB-650	F-SB-650-3-D	3	3
SB-650	F-SB-650-5	5	5
SB-651	F-SB-651-3	3	3
SB-651	F-SB-651-5	5	5
SB-652	F-SB-652-3	3	3
SB-652	F-SB-652-5	5	5
SB-652	F-SB-652-7	7	7
SB-652	F-SB-652-9	9	9
SB-652A	F-SB-652A-3	3	3
SB-652A	F-SB-652A-5	5	5
SB-652A	F-SB-652A-7	7	7
SB-652B	F-SB-652B-3	3	3

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-652B	F-SB-652B-5	5	5
SB-652B	F-SB-652B-7	7	7
SB-652C	F-SB-652C-3	3	3
SB-652C	F-SB-652C-5	5	5
SB-652C	F-SB-652C-7	7	7
Data Gap Investigation Samples (Fall 2010)			
SB-797	F-SB-797-03	3	3
SB-797	F-SB-797-05	5	5
SB-798	F-SB-798-03	3	3
SB-798	F-SB-798-03-D	3	3
SB-798	F-SB-798-05	5	5
SB-799	F-SB-799-03	3	3
SB-799	F-SB-799-05	5	5
SB-800	F-SB-800-03	3	3
SB-800	F-SB-800-05	5	5
SB-800	F-SB-800-05-D	5	5
SB-801	F-SB-801-03	3	3
SB-801	F-SB-801-05	5	5
SB-802	F-SB-802-03	3	3
SB-802	F-SB-802-05	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-081	SB-81-05	5	5
SB-082	SB-82-05	5	5
SB-083	SB-83-05	5	5
SB-084	SB-84-05	5	5
SB-085	SB-85-05	5	5
SB-085	SB-85-10	10	10
SB-086	SB-86-05	5	5
SB-086	SB-86-10	10	10
SB-087	SB-87-05	5	5
SB-088	SB-88-05	5	5
SB-089	SB-89-05	5	5
SB-090	SB-90-05	5	5
SB-091	SB-91-05	5	5
SB-092	SB-92-04	4	4
SB-181	SB-181-05	5	5
SB-182	SB-182-05	5	5
SB-184	SB-184-05	5	5
SB-185	SB-185-05	5	5
SB-186	SB-186-05	5	5
SB-187	SB-187-05	5	5
SB-188	SB-188-05	5	5
SB-189	SB-189-05	5	5
SB-190	SB-190-05	5	5
SB-191	SB-191-05	5	5
SB-192	SB-192-05	5	5
Phase II Soil Investigation Samples (Summer 2005)			
SB-194	SB-194-05	5	5
SB-194	SB-194-10	10	10
SB-195	SB-195-05	5	5
SB-195	SB-195-10	10	10
SB-196	SB-196-05	5	5
SB-196	SB-196-10	10	10
SB-197	SB-197-05	5	5
SB-197	SB-197-10	10	10
SB-198	SB-198-05	5	5
SB-198	SB-198-10	10	10
SB-199	SB-199-05	5	5
SB-199	SB-199-10	10	10
SB-262	SB-262-05	5	5
SB-262	SB-262-10	10	10
SB-263	SB-263-05	5	5
SB-263	SB-263-10	10	10
SB-264	SB-264-05	5	5
SB-264	SB-264-10	10	10

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
ISCO Pilot Study Samples (November 2007)			
OW-5	OW-5-4	4	4
OW-5	OW-5-6	6	6
Additional Soil Characterization Samples (Fall 2007)[(2)]			
SB-410	SB-410-0203	2	3
SB-410	SB-410-0304	3	4
SB-410	SB-410-0506	5	6
SB-410	SB-410-0708	7	8
SB-411	SB-411-0203	2	3
SB-411	SB-411-0304	3	4
SB-411	SB-411-0506	5	6
SB-411	SB-411-0708	7	8
SB-412	SB-412-0203	2	3
SB-412	SB-412-0304	3	4
SB-412	SB-412-0506	5	6
SB-412	SB-412-0708	7	8
SB-413	SB-413-0203	2	3
SB-413	SB-413-0304	3	4
SB-413	SB-413-0506	5	6
SB-413	SB-413-0708	7	8
SB-414	SB-414-0203	2	3
SB-414	SB-414-0304	3	4
SB-414	SB-414-0506	5	6
SB-414	SB-414-0708	7	8
SB-415	SB-415-0203	2	3
SB-415	SB-415-0304	3	4
SB-415	SB-415-0506	5	6
SB-415	SB-415-0708	7	8
SB-416	SB-416-0203	2	3
SB-416	SB-416-0304	3	4
SB-416	SB-416-0506	5	6
SB-416	SB-416-0708	7	8
SB-417	SB-417-0203	2	3
SB-417	SB-417-0304	3	4
SB-417	SB-417-0506	5	6
SB-417	SB-417-0708	7	8
SB-418	SB-418-0203	2	3
SB-418	SB-418-0304	3	4
SB-418	SB-418-0506	5	6
SB-418	SB-418-0708	7	8
SB-419	SB-419-0203	2	3
SB-419	SB-419-0304	3	4
SB-419	SB-419-0506	5	6
SB-419	SB-419-0708	7	8
SB-420	SB-420-0203	2	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-420	SB-420-0304	3	4
SB-420	SB-420-0506	5	6
SB-420	SB-420-0708	7	8
SB-421	SB-421-0203	2	3
SB-421	SB-421-0304	3	4
SB-421	SB-421-0506	5	6
SB-421	SB-421-0708	7	8
SB-422	SB-422-0203	2	3
SB-422	SB-422-0304	3	4
SB-422	SB-422-0506	5	6
SB-422	SB-422-0708	7	8
SB-423	SB-423-0203	2	3
SB-423	SB-423-0304	3	4
SB-423	SB-423-0506	5	6
SB-423	SB-423-0708	7	8
SB-424	SB-424-0203	2	3
SB-424	SB-424-0304	3	4
SB-424	SB-424-0506	5	6
SB-424	SB-424-0708	7	8
SB-425	SB-425-0203	2	3
SB-425	SB-425-0304	3	4
SB-425	SB-425-0506	5	6
SB-425	SB-425-0708	7	8
SB-426	SB-426-0203	2	3
SB-426	SB-426-0304	3	4
SB-426	SB-426-0506	5	6
SB-426	SB-426-0708	7	8
SB-427	SB-427-0203	2	3
SB-427	SB-427-0304	3	4
SB-427	SB-427-0506	5	6
SB-427	SB-427-0708	7	8
SB-428	SB-428-0203	2	3
SB-428	SB-428-0304	3	4
SB-428	SB-428-0506	5	6
SB-428	SB-428-0708	7	8
SB-429	SB-429-0203	2	3
SB-429	SB-429-0304	3	4
SB-429	SB-429-0506	5	6
SB-429	SB-429-0708	7	8
SB-430	SB-430-0203	2	3
SB-430	SB-430-0304	3	4
SB-430	SB-430-0506	5	6
SB-430	SB-430-0708	7	8
SB-431	SB-431-0203	2	3
SB-431	SB-431-0304	3	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-431	SB-431-0506	5	6
SB-431	SB-431-0708	7	8
SB-432	SB-432-0203	2	3
SB-432	SB-432-0304	3	4
SB-432	SB-432-0506	5	6
SB-432	SB-432-0708	7	8
SB-433	SB-433-0203	2	3
SB-433	SB-433-0304	3	4
SB-433	SB-433-0506	5	6
SB-433	SB-433-0708	7	8
SB-434	SB-434-0203	2	3
SB-434	SB-434-0304	3	4
SB-434	SB-434-0506	5	6
SB-434	SB-434-0708	7	8
SB-435	SB-435-0203	2	3
SB-435	SB-435-0304	3	4
SB-435	SB-435-0506	5	6
SB-435	SB-435-0708	7	8
SB-436	SB-436-0203	2	3
SB-436	SB-436-0304	3	4
SB-436	SB-436-0506	5	6
SB-436	SB-436-0708	7	8
SB-437	SB-437-0203	2	3
SB-437	SB-437-0304	3	4
SB-437	SB-437-0506	5	6
SB-437	SB-437-0708	7	8
SB-438	SB-438-0203	2	3
SB-438	SB-438-0304	3	4
SB-438	SB-438-0506	5	6
SB-438	SB-438-0708	7	8
SB-439	SB-439-0203	2	3
SB-439	SB-439-0304	3	4
SB-439	SB-439-0506	5	6
SB-439	SB-439-0708	7	8
SB-440	SB-440-0203	2	3
SB-440	SB-440-0304	3	4
SB-440	SB-440-0506	5	6
SB-441	SB-441-0203	2	3
SB-441	SB-441-0304	3	4
SB-441	SB-441-0506	5	6
SB-441	SB-441-0708	7	8
SB-442	SB-442-0203	2	3
SB-442	SB-442-0304	3	4
SB-442	SB-442-0506	5	6
SB-442	SB-442-0708	7	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-443	SB-443-0203	2	3
SB-443	SB-443-0304	3	4
SB-443	SB-443-0506	5	6
SB-443	SB-443-0708	7	8
SB-444	SB-444-0203	2	3
SB-444	SB-444-0304	3	4
SB-444	SB-444-0506	5	6
SB-444	SB-444-0708	7	8
SB-445	SB-445-0203	2	3
SB-445	SB-445-0304	3	4
SB-445	SB-445-0506	5	6
SB-445	SB-445-0708	7	8
SB-446	SB-446-0203	2	3
SB-446	SB-446-0304	3	4
SB-446	SB-446-0506	5	6
SB-446	SB-446-0708	7	8
SB-447	SB-447-0203	2	3
SB-448	SB-448-0203	2	3
SB-448	SB-448-0304	3	4
SB-448	SB-448-0506	5	6
SB-448	SB-448-0708	7	8
SB-449	SB-449-0203	2	3
SB-449	SB-449-0304	3	4
SB-449	SB-449-0506	5	6
SB-449	SB-449-0708	7	8
SB-450	SB-450-0203	2	3
SB-450	SB-450-0304	3	4
SB-450	SB-450-0506	5	6
SB-450	SB-450-0708	7	8
SB-451	SB-451-0203	2	3
SB-451	SB-451-0304	3	4
SB-451	SB-451-0506	5	6
SB-451	SB-451-0708	7	8
SB-452	SB-452-0203	2	3
SB-452	SB-452-0304	3	4
SB-452	SB-452-0506	5	6
SB-452	SB-452-0708	7	8
SB-453	SB-453-0203	2	3
SB-453	SB-453-0304	3	4
SB-453	SB-453-0506	5	6
SB-453	SB-453-0708	7	8
SB-454	SB-454-0203	2	3
SB-454	SB-454-0304	3	4
SB-454	SB-454-0506	5	6
SB-454	SB-454-0708	7	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-455	SB-455-0203	2	3
SB-455	SB-455-0304	3	4
SB-455	SB-455-0506	5	6
SB-455	SB-455-0708	7	8
SB-456	SB-456-0203	2	3
SB-456	SB-456-0304	3	4
SB-456	SB-456-0506	5	6
SB-456	SB-456-0708	7	8
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-3	3	3
SB-091	G-SB-91RE-5	5	5
SB-091	G-SB-91RE-6	6	6
SB-091	G-SB-91RE-7	7	7
SB-091	G-SB-91RE-8	8	8
SB-091	G-SB-91RE-8-D	8	8
SB-091	G-SB-91RE-9	9	9
SB-091	G-SB-91RE-10	10	10
SB-091A	G-SB-91REA-3	3	3
SB-091A	G-SB-91REA-5	5	5
SB-091A	G-SB-91REA-7	7	7
SB-091A	G-SB-91REA-7-D	7	7
SB-091A	G-SB-91REA-9	9	9
SB-091B	G-SB-91REB-3	3	3
SB-091B	G-SB-91REB-5	5	5
SB-091B	G-SB-91REB-7	7	7
SB-091B	G-SB-91REB-9	9	9
SB-091C	G-SB-91REC-3	3	3
SB-091C	G-SB-91REC-5	5	5
SB-091C	G-SB-91REC-7	7	7
SB-091C	G-SB-91REC-9	9	9
SB-092	G-SB-92RE-3	3	3
SB-092	G-SB-92RE-4	4	4
SB-092	G-SB-92RE-5	5	5
SB-092	G-SB-92RE-6	6	6
SB-092	G-SB-92RE-7	7	7
SB-092	G-SB-92RE-7-D	7	7
SB-092	G-SB-92RE-8	8	8
SB-092	G-SB-92RE-9	9	9
SB-092	G-SB-92RE-10	10	10
SB-092C	G-SB-92REC-3	3	3
SB-092C	G-SB-92REC-5	5	5
SB-092C	G-SB-92REC-7	7	7
SB-092C	G-SB-92REC-9	9	9
SB-092D	G-SB-92RED-3	3	3
SB-092D	G-SB-92RED-5	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-092D	G-SB-92RED-7	7	7
SB-092D	G-SB-92RED-9	9	9
SB-194	G-SB-194RE-3	3	3
SB-194	G-SB-194RE-4	4	4
SB-194	G-SB-194RE-5	5	5
SB-196	G-SB-196RE-6	6	6
SB-196	G-SB-196RE-7	7	7
SB-196	G-SB-196RE-7-D	7	7
SB-196	G-SB-196RE-8	8	8
SB-196	G-SB-196RE-9	9	9
SB-196	G-SB-196RE-10	10	10
SB-197	G-SB-197RE-6	6	6
SB-197	G-SB-197RE-6-D	6	6
SB-197	G-SB-197RE-7	7	7
SB-198	G-SB-198RE-3	3	3
SB-198	G-SB-198RE-4	4	4
SB-198	G-SB-198RE-5	5	5
SB-198	G-SB-198RE-6	6	6
SB-198	G-SB-198RE-7	7	7
SB-198	G-SB-198RE-8	8	8
SB-198	G-SB-198RE-9	9	9
SB-199	G-SB-199RE-6	6	6
SB-199	G-SB-199RE-7	7	7
SB-255	G-SB-255RE-3	3	3
SB-255	G-SB-255RE-4	4	4
SB-255	G-SB-255RE-5	5	5
SB-424	G-SB-424RE-5	5	5
SB-424	G-SB-424RE-5-D	5	5
SB-424	G-SB-424RE-6	6	6
SB-437	G-SB-437RE-3	3	3
SB-437	G-SB-437RE-4	4	4
SB-441	G-SB-441RE-7	7	7
SB-441	G-SB-441RE-8	8	8
SB-453	G-SB-453RE-5	5	5
SB-453	G-SB-453RE-6	6	6
SB-456	G-SB-456RE-9	9	9
SB-456	G-SB-456RE-10	10	10
SB-457	G-SB-457RE-3	3	3
SB-457	G-SB-457RE-4	4	4
SB-653	G-SB-653-3	3	3
SB-653	G-SB-653-5	5	5
SB-653	G-SB-653-6	6	6
SB-653	G-SB-653-7	7	7
SB-653	G-SB-653-8	8	8
SB-653	G-SB-653-9	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-653	G-SB-653-9-D	9	9
SB-653A	G-SB-653A-3	3	3
SB-653A	G-SB-653A-5	5	5
SB-653A	G-SB-653A-7	7	7
SB-653B	G-SB-653B-3	3	3
SB-653B	G-SB-653B-5	5	5
SB-653B	G-SB-653B-7	7	7
SB-653D	G-SB-653D-3	3	3
SB-653D	G-SB-653D-5	5	5
SB-653D	G-SB-653D-7	7	7
SB-654	G-SB-654-3	3	3
SB-654	G-SB-654-5	5	5
SB-654B	G-SB-654B-3	3	3
SB-654B	G-SB-654B-5	5	5
SB-654C	G-SB-654C-3	3	3
SB-654C	G-SB-654C-5	5	5
SB-656	G-SB-656-3	3	3
SB-656	G-SB-656-5	5	5
SB-656	G-SB-656-6	6	6
SB-656	G-SB-656-7	7	7
SB-656	G-SB-656-8	8	8
SB-656	G-SB-656-9	9	9
SB-656C	G-SB-656C-4	4	4
SB-656C	G-SB-656C-6	6	6
SB-656C	G-SB-656C-8	8	8
SB-656C	G-SB-656C-8-D	8	8
SB-656D	G-SB-656D-4	4	4
SB-656D	G-SB-656D-6	6	6
SB-656D	G-SB-656D-8	8	8
SB-657A	G-SB-657A-3	3	3
SB-657A	G-SB-657A-5	5	5
SB-657A	G-SB-657A-5-D	5	5
SB-657A	G-SB-657A-7	7	7
SB-657A	G-SB-657A-9	9	9
SB-657B	G-SB-657B-3	3	3
SB-657B	G-SB-657B-5	5	5
SB-657B	G-SB-657B-5-D	5	5
SB-657B	G-SB-657B-7	7	7
SB-657B	G-SB-657B-9	9	9
SB-657D	G-SB-657D-3	3	3
SB-657D	G-SB-657D-5	5	5
SB-657D	G-SB-657D-7	7	7
SB-657D	G-SB-657D-9	9	9
SB-658B	G-SB-658B-3	3	3
SB-658B	G-SB-658B-5	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-658B	G-SB-658B-7	7	7
SB-658B	G-SB-658B-9	9	9
SB-658C	G-SB-658C-3	3	3
SB-658C	G-SB-658C-5	5	5
SB-658C	G-SB-658C-7	7	7
SB-658C	G-SB-658C-9	9	9
SB-659C	G-SB-659C-3	3	3
SB-659C	G-SB-659C-5	5	5
SB-659C	G-SB-659C-7	7	7
SB-659C	G-SB-659C-9	9	9
SB-659D	G-SB-659D-3	3	3
SB-659D	G-SB-659D-5	5	5
SB-659D	G-SB-659D-7	7	7
SB-659D	G-SB-659D-7-D	7	7
SB-659D	G-SB-659D-9	9	9
SB-661	G-SB-661-6	6	6
SB-661	G-SB-661-7	7	7
SB-662	G-SB-662-6	6	6
SB-662	G-SB-662-7	7	7
SB-662	G-SB-662-8	8	8
SB-662	G-SB-662-9	9	9
SB-662	G-SB-662-10	10	10
SB-662A	G-SB-662A-3	3	3
SB-662A	G-SB-662A-5	5	5
SB-662A	G-SB-662A-7	7	7
SB-662A	G-SB-662A-9	9	9
SB-662B	G-SB-662B-3	3	3
SB-662B	G-SB-662B-5	5	5
SB-662B	G-SB-662B-7	7	7
SB-662B	G-SB-662B-7-D	7	7
SB-662B	G-SB-662B-9	9	9
SB-662C	G-SB-662C-3	3	3
SB-662C	G-SB-662C-5	5	5
SB-662C	G-SB-662C-7	7	7
SB-662C	G-SB-662C-9	9	9
SB-663	G-SB-663-6	6	6
SB-663	G-SB-663-6-D	6	6
SB-663	G-SB-663-7	7	7
SB-664	G-SB-664-6	6	6
SB-664	G-SB-664-7	7	7
SB-665	G-SB-665-6	6	6
SB-665	G-SB-665-7	7	7
SB-666	G-SB-666-6	6	6
SB-666	G-SB-666-7	7	7
SB-667	G-SB-667-6	6	6

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-667	G-SB-667-7	7	7
SB-668	G-SB-668-6	6	6
SB-668	G-SB-668-7	7	7
SB-671	G-SB-671-3	3	3
SB-671	G-SB-671-4	4	4
SB-671	G-SB-671-5	5	5
SB-671	G-SB-671-6	6	6
SB-671	G-SB-671-7	7	7
SB-671	G-SB-671-7-D	7	7
SB-671	G-SB-671-8	8	8
SB-671	G-SB-671-9	9	9
SB-671	G-SB-671RE-10	10	10
SB-671B	G-SB-671B-3	3	3
SB-671B	G-SB-671B-5	5	5
SB-671B	G-SB-671B-7	7	7
SB-671B	G-SB-671B-9	9	9
SB-671C	G-SB-671C-3	3	3
SB-671C	G-SB-671C-5	5	5
SB-671C	G-SB-671C-7	7	7
SB-671C	G-SB-671C-7-D	7	7
SB-671C	G-SB-671C-9	9	9
SB-671D	G-SB-671D-3	3	3
SB-671D	G-SB-671D-5	5	5
SB-671D	G-SB-671D-7	7	7
SB-671D	G-SB-671D-9	9	9
SB-673	G-SB-673-6	6	6
SB-673	G-SB-673-7	7	7
SB-674	G-SB-674-6	6	6
SB-674	G-SB-674-7	7	7
SB-675	G-SB-675-6	6	6
SB-675	G-SB-675-7	7	7
SB-676	G-SB-676-6	6	6
SB-676	G-SB-676-7	7	7
SB-677	G-SB-677-3	3	3
SB-677	G-SB-677-4	4	4
SB-677	G-SB-677-5	5	5
SB-677	G-SB-677-6	6	6
SB-677	G-SB-677-7	7	7
SB-677	G-SB-677-8	8	8
SB-677	G-SB-677-9	9	9
SB-677A	G-SB-677A-3	3	3
SB-677A	G-SB-677A-5	5	5
SB-677A	G-SB-677A-7	7	7
SB-677A	G-SB-677A-9	9	9
SB-677B	G-SB-677B-3	3	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-677B	G-SB-677B-5	5	5
SB-677B	G-SB-677B-7	7	7
SB-677B	G-SB-677B-9	9	9
SB-677B	G-SB-677B-9-D	9	9
SB-677D	G-SB-677D-3	3	3
SB-677D	G-SB-677D-5	5	5
SB-677D	G-SB-677D-7	7	7
SB-677D	G-SB-677D-9	9	9
SB-678	G-SB-678-3	3	3
SB-678	G-SB-678-4	4	4
SB-678	G-SB-678-5	5	5
SB-678	G-SB-678-6	6	6
SB-678	G-SB-678-7	7	7
SB-678	G-SB-678-8	8	8
SB-678	G-SB-678-8-D	8	8
SB-678	G-SB-678-9	9	9
SB-678B	G-SB-678B-3	3	3
SB-678B	G-SB-678B-3-D	3	3
SB-678B	G-SB-678B-5	5	5
SB-678B	G-SB-678B-7	7	7
SB-678B	G-SB-678B-9	9	9
SB-678C	G-SB-678C-3	3	3
SB-678C	G-SB-678C-5	5	5
SB-678C	G-SB-678C-7	7	7
SB-678C	G-SB-678C-9	9	9
SB-679	G-SB-679-3	3	3
SB-679	G-SB-679-4	4	4
SB-679	G-SB-679-5	5	5
SB-679	G-SB-679-6	6	6
SB-679	G-SB-679-7	7	7
SB-679	G-SB-679-8	8	8
SB-679	G-SB-679-9	9	9
SB-679C	G-SB-679C-3	3	3
SB-679C	G-SB-679C-5	5	5
SB-679C	G-SB-679C-7	7	7
SB-679C	G-SB-679C-9	9	9
SB-679C	G-SB-679C-9-D	9	9
SB-679D	G-SB-679D-3	3	3
SB-679D	G-SB-679D-5	5	5
SB-679D	G-SB-679D-7	7	7
SB-679D	G-SB-679D-9	9	9
SB-680	G-SB-680-3	3	3
SB-680	G-SB-680-4	4	4
SB-680	G-SB-680-5	5	5
SB-680	G-SB-680-6	6	6

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-680	G-SB-680-7	7	7
SB-680	G-SB-680-8	8	8
SB-680	G-SB-680-9	9	9
SB-680D	G-SB-680D-3	3	3
SB-680D	G-SB-680D-7	7	7
SB-680D	G-SB-680D-9	9	9
SB-681	G-SB-681-5	5	5
SB-681	G-SB-681-6	6	6
SB-682	G-SB-682-5	5	5
SB-682	G-SB-682-6	6	6
SB-683	G-SB-683-5	5	5
SB-683	G-SB-683-6	6	6
SB-684	G-SB-684-5	5	5
SB-684	G-SB-684-5-D	5	5
SB-684	G-SB-684-6	6	6
SB-685	G-SB-685-3	3	3
SB-685	G-SB-685-4	4	4
SB-685	G-SB-685-4-D	4	4
SB-686	G-SB-686-3	3	3
SB-686	G-SB-686-4	4	4
SB-687	G-SB-687-3	3	3
SB-687	G-SB-687-4	4	4
SB-688	G-SB-688-3	3	3
SB-688	G-SB-688-4	4	4
SB-689	G-SB-689-7	7	7
SB-689	G-SB-689-8	8	8
SB-690	G-SB-690-7	7	7
SB-690	G-SB-690-7-D	7	7
SB-690	G-SB-690-8	8	8
SB-691	G-SB-691-7	7	7
SB-691	G-SB-691-8	8	8
SB-692	G-SB-692-7	7	7
SB-692	G-SB-692-8	8	8
SB-693	G-SB-693-5	5	5
SB-693	G-SB-693-6	6	6
SB-693	G-SB-693-7	7	7
SB-693	G-SB-693-8	8	8
SB-693	G-SB-693-9	9	9
SB-693A	G-SB-693A-4	4	4
SB-693A	G-SB-693A-6	6	6
SB-693A	G-SB-693A-8	8	8
SB-693B	G-SB-693B-4	4	4
SB-693B	G-SB-693B-6	6	6
SB-693B	G-SB-693B-8	8	8
SB-693D	G-SB-693D-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-693D	G-SB-693D-6	6	6
SB-693D	G-SB-693D-8	8	8
SB-693D	G-SB-693D-8-D	8	8
SB-694	G-SB-694-5	5	5
SB-694	G-SB-694-6	6	6
SB-695	G-SB-695-5	5	5
SB-695	G-SB-695-5-D	5	5
SB-695	G-SB-695-6	6	6
SB-696	G-SB-696-5	5	5
SB-696	G-SB-696-6	6	6
SB-697	G-SB-697-9	9	9
SB-697	G-SB-697-10	10	10
SB-698	G-SB-698-9	9	9
SB-698	G-SB-698-10	10	10
SB-699	G-SB-699-3	3	3
SB-699	G-SB-699-4	4	4
SB-700	G-SB-700-3	3	3
SB-700	G-SB-700-4	4	4
SB-701	G-SB-701-3	3	3
SB-701	G-SB-701-4	4	4
SB-702	G-SB-702-3	3	3
SB-702	G-SB-702-4	4	4
SB-703	G-SB-703-7	7	7
SB-703	G-SB-703-8	8	8
SB-704	G-SB-704-3	3	3
SB-704	G-SB-704-4	4	4
SB-704	G-SB-704-5	5	5
SB-704	G-SB-704-6	6	6
SB-704	G-SB-704-7	7	7
SB-704	G-SB-704-8	8	8
SB-704	G-SB-704-9	9	9
SB-704	G-SB-704-10	10	10
SB-705	G-SB-705-3	3	3
SB-705	G-SB-705-4	4	4
SB-706	G-SB-706-3	3	3
SB-706	G-SB-706-4	4	4
SB-706	G-SB-706-5	5	5
SB-706	G-SB-706-6	6	6
SB-706	G-SB-706-6-D	6	6
SB-706	G-SB-706-7	7	7
SB-706	G-SB-706-8	8	8
SB-706	G-SB-706-9	9	9
SB-706	G-SB-706-10	10	10
SB-707	G-SB-707-3	3	3
SB-707	G-SB-707-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-708	G-SB-708-3	3	3
SB-708	G-SB-708-4	4	4
SB-708	G-SB-708-5	5	5
SB-708	G-SB-708-6	6	6
SB-708	G-SB-708-7	7	7
SB-709	G-SB-709-3	3	3
SB-709	G-SB-709-4	4	4
SB-710	G-SB-710-3	3	3
SB-710	G-SB-710-4	4	4
SB-710	G-SB-710-4-D	4	4
SB-712	G-SB-712-3	3	3
SB-712	G-SB-712-4	4	4
SB-713	G-SB-713-3	3	3
SB-713	G-SB-713-4	4	4
SB-714	G-SB-714-3	3	3
SB-714	G-SB-714-4	4	4
SB-714	G-SB-714-5	5	5
SB-714	G-SB-714-6	6	6
SB-714	G-SB-714-6-D	6	6
SB-714	G-SB-714-7	7	7
SB-715	G-SB-715-3	3	3
SB-715	G-SB-715-4	4	4
SB-716	G-SB-716-3	3	3
SB-716	G-SB-716-5	5	5
SB-716	G-SB-716-6	6	6
SB-716	G-SB-716-7	7	7
SB-716	G-SB-716-8	8	8
SB-716	G-SB-716-9	9	9
SB-716	G-SB-716-10	10	10
SB-717	G-SB-717-3	3	3
SB-717	G-SB-717-4	4	4
SB-718	G-SB-718-3	3	3
SB-718	G-SB-718-4	4	4
SB-719	G-SB-719-3	3	3
SB-719	G-SB-719-4	4	4
SB-720	G-SB-720-3	3	3
SB-720	G-SB-720-4	4	4
SB-720	G-SB-720-5	5	5
SB-720	G-SB-720-6	6	6
SB-720	G-SB-720-7	7	7
SB-721	G-SB-721-3	3	3
SB-721	G-SB-721-4	4	4
SB-721	G-SB-721-5	5	5
SB-721	G-SB-721-6	6	6
SB-721	G-SB-721-7	7	7

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-722	G-SB-722-3	3	3
SB-722	G-SB-722-4	4	4
SB-723	G-SB-723-3	3	3
SB-723	G-SB-723-3-D	3	3
SB-723	G-SB-723-4	4	4
SB-724	G-SB-724-3	3	3
SB-724	G-SB-724-4	4	4
SB-724	G-SB-724-6	6	6
SB-724	G-SB-724-7	7	7
SB-725	G-SB-725-3	3	3
SB-725	G-SB-725-4	4	4
SB-726	G-SB-726-3	3	3
SB-726	G-SB-726-4	4	4
SB-726	G-SB-726-5	5	5
SB-726	G-SB-726-6	6	6
SB-726	G-SB-726-7	7	7
SB-726	G-SB-726-8	8	8
SB-726	G-SB-726-9	9	9
SB-726	G-SB-726-10	10	10
SB-727	G-SB-727-3	3	3
SB-727	G-SB-727-4	4	4
SB-727	G-SB-727-5	5	5
SB-727	G-SB-727-6	6	6
SB-727	G-SB-727-7	7	7
SB-728	G-SB-728-3	3	3
SB-728	G-SB-728-4	4	4
SB-728	G-SB-728-5	5	5
SB-728	G-SB-728-6	6	6
SB-728	G-SB-728-7	7	7
SB-729	G-SB-729-3	3	3
SB-729	G-SB-729-4	4	4
SB-729	G-SB-729-5	5	5
SB-729	G-SB-729-6	6	6
SB-729	G-SB-729-7	7	7
SB-730	G-SB-730-4	4	4
SB-730	G-SB-730-5	5	5
SB-731	G-SB-731-3	3	3
SB-731	G-SB-731-4	4	4
SB-732	G-SB-732-3	3	3
SB-732	G-SB-732-4	4	4
SB-732	G-SB-732-5	5	5
SB-732	G-SB-732-6	6	6
SB-732	G-SB-732-7	7	7
SB-733	G-SB-733-3	3	3
SB-733	G-SB-733-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-734	G-SB-734-6	6	6
SB-734	G-SB-734-7	7	7
SB-735	G-SB-735-3	3	3
SB-735	G-SB-735-5	5	5
SB-735	G-SB-735-5-D	5	5
SB-735	G-SB-735-7	7	7
SB-735	G-SB-735-9	9	9
SB-735A	G-SB-735A-3	3	3
SB-735A	G-SB-735A-5	5	5
SB-735A	G-SB-735A-9	9	9
SB-735B	G-SB-735B-3	3	3
SB-735B	G-SB-735B-5	5	5
SB-735B	G-SB-735B-7	7	7
SB-735B	G-SB-735B-7-D	7	7
SB-735B	G-SB-735B-9	9	9
SB-735C	G-SB-735C-3	3	3
SB-735C	G-SB-735C-5	5	5
SB-735C	G-SB-735C-7	7	7
SB-736	G-SB-736-3	3	3
SB-736B	G-SB-736B-3	3	3
SB-736B	G-SB-736B-5	5	5
SB-736B	G-SB-736B-7	7	7
SB-736B	G-SB-736B-9	9	9
SB-736C	G-SB-736C-3	3	3
SB-736C	G-SB-736C-5	5	5
SB-736C	G-SB-736C-7	7	7
SB-736C	G-SB-736C-9	9	9
SB-737	G-SB-737-3	3	3
SB-737	G-SB-737-5	5	5
SB-737	G-SB-737-7	7	7
SB-738	G-SB-738-4	4	4
SB-738	G-SB-738-6	6	6
SB-738	G-SB-738-8	8	8
SB-739	G-SB-739-4	4	4
SB-739	G-SB-739-6	6	6
SB-739	G-SB-739-8	8	8
SB-740	G-SB-740-4	4	4
SB-740	G-SB-740-6	6	6
SB-740	G-SB-740-8	8	8
SB-741	G-SB-741-4	4	4
SB-741	G-SB-741-6	6	6
SB-741	G-SB-741-8	8	8
SB-742	G-SB-742-4	4	4
SB-742	G-SB-742-6	6	6
SB-742	G-SB-742-8	8	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-743	G-SB-743-4	4	4
SB-743	G-SB-743-6	6	6
SB-743	G-SB-743-8	8	8
SB-744	G-SB-744-4	4	4
SB-744	G-SB-744-6	6	6
SB-744	G-SB-744-8	8	8
SB-745	G-SB-745-4	4	4
SB-745	G-SB-745-4-D	4	4
SB-745	G-SB-745-6	6	6
SB-745	G-SB-745-8	8	8
SB-745A	G-SB-745A-4	4	4
SB-745B	G-SB-745B-4	4	4
SB-745C	G-SB-745C-4	4	4
SB-746	G-SB-746-4	4	4
SB-746	G-SB-746-6	6	6
SB-746	G-SB-746-8	8	8
SB-747	G-SB-747-4	4	4
SB-747	G-SB-747-6	6	6
SB-747	G-SB-747-8	8	8
SB-748	G-SB-748-4	4	4
SB-748	G-SB-748-6	6	6
SB-748	G-SB-748-8	8	8
SB-749	G-SB-749-4	4	4
SB-749	G-SB-749-6	6	6
SB-750	G-SB-750-4	4	4
SB-750	G-SB-750-6	6	6
SB-751	G-SB-751-4	4	4
SB-751	G-SB-751-6	6	6
SB-752	G-SB-752-4	4	4
SB-752	G-SB-752-6	6	6
SB-752	G-SB-752-6-D	6	6
SB-753	G-SB-753-4	4	4
SB-753	G-SB-753-6	6	6
SB-754	G-SB-754-4	4	4
SB-754	G-SB-754-6	6	6
SB-755	G-SB-755-4	4	4
SB-755	G-SB-755-6	6	6
SB-755	G-SB-755-6-D	6	6
SB-756	G-SB-756-4	4	4
SB-756	G-SB-756-6	6	6
SB-757	G-SB-757-4	4	4
SB-757	G-SB-757-6	6	6
SB-758	G-SB-758-4	4	4
SB-758	G-SB-758-6	6	6
SB-759	G-SB-759-3	3	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-759	G-SB-759-5	5	5
SB-759	G-SB-759-7	7	7
SB-760	G-SB-760-3	3	3
SB-760	G-SB-760-5	5	5
SB-760	G-SB-760-7	7	7
SB-761	G-SB-761-3	3	3
SB-761	G-SB-761-5	5	5
SB-761	G-SB-761-7	7	7
SB-761	G-SB-761-9	9	9
SB-761A	G-SB-761A-3	3	3
SB-761A	G-SB-761A-5	5	5
SB-761A	G-SB-761A-7	7	7
SB-761A	G-SB-761A-9	9	9
SB-761B	G-SB-761B-3	3	3
SB-761B	G-SB-761B-3-D	3	3
SB-761B	G-SB-761B-5	5	5
SB-761B	G-SB-761B-7	7	7
SB-761B	G-SB-761B-9	9	9
SB-761C	G-SB-761C-3	3	3
SB-761C	G-SB-761C-5	5	5
SB-761C	G-SB-761C-7	7	7
SB-761C	G-SB-761C-9	9	9
SB-761D	G-SB-761D-3	3	3
SB-761D	G-SB-761D-5	5	5
SB-761D	G-SB-761D-7	7	7
SB-761D	G-SB-761D-7-D	7	7
SB-761D	G-SB-761D-9	9	9
SB-762	G-SB-762-3	3	3
SB-762	G-SB-762-5	5	5
SB-762	G-SB-762-7	7	7
SB-762	G-SB-762-9	9	9
SB-762A	G-SB-762A-3	3	3
SB-762A	G-SB-762A-5	5	5
SB-762A	G-SB-762A-7	7	7
SB-762A	G-SB-762A-9	9	9
SB-762B	G-SB-762B-3	3	3
SB-762B	G-SB-762B-5	5	5
SB-762B	G-SB-762B-7	7	7
SB-762B	G-SB-762B-9	9	9
SB-762C	G-SB-762C-3	3	3
SB-762C	G-SB-762C-5	5	5
SB-762C	G-SB-762C-7	7	7
SB-762D	G-SB-762D-3	3	3
SB-762D	G-SB-762D-5	5	5
SB-762D	G-SB-762D-7	7	7

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-762D	G-SB-762D-7-D	7	7
SB-762D	G-SB-762D-9	9	9
SB-763	G-SB-763-3	3	3
SB-763	G-SB-763-3-D	3	3
SB-763	G-SB-763-5	5	5
SB-763	G-SB-763-7	7	7
SB-763	G-SB-763-9	9	9
SB-763A	G-SB-763A-3	3	3
SB-763A	G-SB-763A-5	5	5
SB-763A	G-SB-763A-7	7	7
SB-763A	G-SB-763A-9	9	9
SB-763B	G-SB-763B-3	3	3
SB-763B	G-SB-763B-5	5	5
SB-763B	G-SB-763B-7	7	7
SB-763B	G-SB-763B-9	9	9
SB-763C	G-SB-763C-3	3	3
SB-763C	G-SB-763C-5	5	5
SB-763C	G-SB-763C-7	7	7
SB-763C	G-SB-763C-9	9	9
SB-763D	G-SB-763D-3	3	3
SB-763D	G-SB-763D-5	5	5
SB-763D	G-SB-763D-7	7	7
SB-763D	G-SB-763D-7-D	7	7
SB-763D	G-SB-763D-9	9	9
SB-764	G-SB-764-3	3	3
SB-764	G-SB-764-5	5	5
SB-764	G-SB-764-5-D	5	5
SB-764	G-SB-764-7	7	7
SB-764	G-SB-764-9	9	9
SB-764A	G-SB-764A-3	3	3
SB-764A	G-SB-764A-5	5	5
SB-764A	G-SB-764A-7	7	7
SB-764A	G-SB-764A-9	9	9
SB-764B	G-SB-764B-3	3	3
SB-764B	G-SB-764B-5	5	5
SB-764B	G-SB-764B-5-D	5	5
SB-764C	G-SB-764C-3	3	3
SB-764C	G-SB-764C-5	5	5
SB-764C	G-SB-764C-7	7	7
SB-764C	G-SB-764C-9	9	9
SB-764D	G-SB-764D-3	3	3
SB-764D	G-SB-764D-3-D	3	3
SB-764D	G-SB-764D-5	5	5
SB-764D	G-SB-764D-7	7	7
SB-764D	G-SB-764D-9	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-765	G-SB-765-3	3	3
SB-765	G-SB-765-5	5	5
SB-765	G-SB-765-7	7	7
SB-765	G-SB-765-9	9	9
SB-765A	G-SB-765A-3	3	3
SB-765A	G-SB-765A-5	5	5
SB-765A	G-SB-765A-7	7	7
SB-765B	G-SB-765B-3	3	3
SB-765B	G-SB-765B-5	5	5
SB-765B	G-SB-765B-7	7	7
SB-765C	G-SB-765C-3	3	3
SB-765C	G-SB-765C-5	5	5
SB-765C	G-SB-765C-7	7	7
SB-765D	G-SB-765D-3	3	3
SB-765D	G-SB-765D-5	5	5
SB-765D	G-SB-765D-7	7	7
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-03	3	3
SB-803	G-SB-803-05	5	5
SB-803	G-SB-803-07	7	7
SB-803	G-SB-803-09	9	9
SB-804	G-SB-804-03	3	3
SB-804	G-SB-804-05	5	5
SB-804	G-SB-804-07	7	7
SB-804	G-SB-804-09	9	9
SB-805	G-SB-805-07	7	7
SB-805	G-SB-805-09	9	9
SB-806	G-SB-806-03	3	3
SB-806	G-SB-806-05	5	5
SB-806	G-SB-806-07	7	7
SB-806	G-SB-806-07-D	7	7
SB-806	G-SB-806-09	9	9
SB-807	G-SB-807-03	3	3
SB-807	G-SB-807-03-D	3	3
SB-807	G-SB-807-05	5	5
SB-807	G-SB-807-07	7	7
SB-807	G-SB-807-09	9	9
SB-808	G-SB-808-03	3	3
SB-808	G-SB-808-05	5	5
SB-808	G-SB-808-07	7	7
SB-808	G-SB-808-09	9	9
SB-809	G-SB-809-03	3	3
SB-809	G-SB-809-05	5	5
SB-809	G-SB-809-07	7	7
SB-809	G-SB-809-09	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-810	G-SB-810-03	3	3
SB-810	G-SB-810-05	5	5
SB-810	G-SB-810-07	7	7
SB-810	G-SB-810-09	9	9
SB-811	G-SB-811-05	5	5
SB-811	G-SB-811-07	7	7
SB-811	G-SB-811-07-D	7	7
SB-811	G-SB-811-09	9	9
SB-812	G-SB-812-03	3	3
SB-812	G-SB-812-05	5	5
SB-812	G-SB-812-07	7	7
SB-812	G-SB-812-09	9	9
SB-813	G-SB-813-03	3	3
SB-813	G-SB-813-05	5	5
SB-813	G-SB-813-07	7	7
SB-813	G-SB-813-09	9	9
Data Gap Investigation Test Pit Samples (Fall 2010)			
G-TP-1	G-TP-1-5-2-3	2	3
G-TP-1	G-TP-1-6-2-3	2	3
G-TP-1	G-TP-1-7-5-7	5	7
G-TP-1	G-TP-1-8-5-7	5	7
G-TP-1	G-TP-1-1-7-8	7	8
G-TP-1	G-TP-1-2-7-8	7	8
G-TP-2	G-TP-2-8-5-6	5	6
G-TP-2	G-TP-2-9-5-6	5	6
G-TP-2	G-TP-2-3-6-7	6	7

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW08A	MRC-MW08[0809]	8	9
Phase II Soil Investigation Samples (Summer 2005)			
SB-200	SB-200-05	5	5
SB-200	SB-200-10	10	10
SB-201	SB-201-05	5	5
SB-201	SB-201-10	10	10
SB-202	SB-202-05	5	5
SB-202	SB-202-10	10	10
SB-203	SB-203-05	5	5
SB-203	SB-203-10	10	10
SB-282	SB-282-0405	4	5
SB-282	SB-282-0910	9	10
SB-283	SB-283-0405	4	5
SB-283	SB-283-0910	9	10
SB-284	SB-284-0405	4	5
SB-284	SB-284-0910	9	10
SB-285	SB-285-0405	4	5
SB-285	SB-285-0910	9	10
SB-286	SB-286-0405	4	5
SB-286	SB-286-0910	9	10
SB-293	SB-293-0405	4	5
SB-293	SB-293-0910	9	10
SB-294	SB-294-0405	4	5
SB-294	SB-294-0910	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-462	SB-462-0203	2	3
SB-462	SB-462-0304	3	4
SB-462	SB-462-0506	5	6
SB-462	SB-462-0708	7	8
SB-463	SB-463-0203	2	3
SB-463	SB-463-0304	3	4
SB-463	SB-463-0506	5	6
SB-463	SB-463-0708	7	8
SB-464	SB-464-0203	2	3
SB-464	SB-464-0304	3	4
SB-464	SB-464-0506	5	6
SB-464	SB-464-0708	7	8
SB-465	SB-465-0203	2	3
SB-465	SB-465-0304	3	4
SB-465	SB-465-0506	5	6
SB-465	SB-465-0708	7	8
SB-466	SB-466-0203	2	3
SB-466	SB-466-0304	3	4
SB-466	SB-466-0506	5	6

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-466	SB-466-0708	7	8
SB-467	SB-467-0203	2	3
SB-467	SB-467-0304	3	4
SB-467	SB-467-0506	5	6
SB-467	SB-467-0708	7	8
SB-468	SB-468-0203	2	3
SB-468	SB-468-0304	3	4
SB-468	SB-468-0506	5	6
SB-468	SB-468-0708	7	8
SB-469	SB-469-0203	2	3
SB-469	SB-469-0304	3	4
SB-469	SB-469-0506	5	6
SB-469	SB-469-0708	7	8
SB-470	SB-470-0203	2	3
SB-470	SB-470-0304	3	4
SB-470	SB-470-0506	5	6
SB-470	SB-470-0708	7	8
SB-471	SB-471-0203	2	3
SB-471	SB-471-0304	3	4
SB-471	SB-471-0506	5	6
SB-471	SB-471-0708	7	8
SB-472	SB-472-0203	2	3
SB-472	SB-472-0304	3	4
SB-472	SB-472-0506	5	6
SB-472	SB-472-0708	7	8
SB-473	SB-473-0203	2	3
SB-473	SB-473-0304	3	4
SB-473	SB-473-0506	5	6
SB-473	SB-473-0708	7	8
SB-474	SB-474-0203	2	3
SB-474	SB-474-0304	3	4
SB-474	SB-474-0506	5	6
SB-474	SB-474-0708	7	8
SB-475	SB-475-0203	2	3
SB-475	SB-475-0304	3	4
SB-475	SB-475-0506	5	6
SB-475	SB-475-0708	7	8
SB-476	SB-476-0203	2	3
SB-476	SB-476-0304	3	4
SB-476	SB-476-0506	5	6
SB-476	SB-476-0708	7	8
SB-477	SB-477-0203	2	3
SB-477	SB-477-0304	3	4
SB-477	SB-477-0506	5	6
SB-477	SB-477-0708	7	8

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-478	SB-478-0203	2	3
SB-478	SB-478-0304	3	4
SB-478	SB-478-0506	5	6
SB-478	SB-478-0708	7	8
SB-479	SB-479-0203	2	3
SB-479	SB-479-0304	3	4
SB-479	SB-479-0506	5	6
SB-479	SB-479-0708	7	8
SB-480	SB-480-0203	2	3
SB-480	SB-480-0304	3	4
SB-480	SB-480-0506	5	6
SB-480	SB-480-0708	7	8
SB-481	SB-481-0203	2	3
SB-481	SB-481-0304	3	4
SB-481	SB-481-0506	5	6
SB-481	SB-481-0708	7	8
SB-482	SB-482-0203	2	3
SB-482	SB-482-0304	3	4
SB-482	SB-482-0506	5	6
SB-482	SB-482-0708	7	8
SB-483	SB-483-0203	2	3
SB-483	SB-483-0304	3	4
SB-483	SB-483-0506	5	6
SB-483	SB-483-0708	7	8
SB-484	SB-484-0203	2	3
SB-484	SB-484-0304	3	4
SB-484	SB-484-0506	5	6
SB-484	SB-484-0708	7	8
SB-485	SB-485-0203	2	3
SB-485	SB-485-0304	3	4
SB-485	SB-485-0506	5	6
SB-485	SB-485-0708	7	8
SB-486	SB-486-0203	2	3
SB-486	SB-486-0304	3	4
SB-486	SB-486-0506	5	6
SB-486	SB-486-0708	7	8
SB-487	SB-487-0203	2	3
SB-487	SB-487-0304	3	4
SB-487	SB-487-0506	5	6
SB-487	SB-487-0708	7	8
SB-488	SB-488-0203	2	3
SB-488	SB-488-0304	3	4
SB-488	SB-488-0506	5	6
SB-488	SB-488-0708	7	8

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Final Soil Delineation Samples (Fall 2009)			
SB-282	H-SB-282RE-3	3	3
SB-282	H-SB-282RE-4	4	4
SB-282	H-SB-282RE-5	5	5
SB-282	H-SB-282RE-6	6	6
SB-282	H-SB-282RE-7	7	7
SB-282	H-SB-282RE-7-D	7	7
SB-282	H-SB-282RE-8	8	8
SB-282	H-SB-282RE-9	9	9
SB-282	H-SB-282RE-10	10	10
SB-282A	H-SB-282REA-3	3	3
SB-282A	H-SB-282REA-5	5	5
SB-282A	H-SB-282REA-7	7	7
SB-282A	H-SB-282REA-9	9	9
SB-282A	H-SB-282REA-9-D	9	9
SB-282B	H-SB-282REB-3	3	3
SB-282B	H-SB-282REB-5	5	5
SB-282B	H-SB-282REB-7	7	7
SB-282B	H-SB-282REB-9	9	9
SB-282C	H-SB-282REC-3	3	3
SB-282C	H-SB-282REC-5	5	5
SB-282C	H-SB-282REC-7	7	7
SB-282C	H-SB-282REC-9	9	9
SB-282C	H-SB-282REC-9-D	9	9
SB-282D	H-SB-282RED-3	3	3
SB-282D	H-SB-282RED-5	5	5
SB-282D	H-SB-282RED-7	7	7
SB-282D	H-SB-282RED-9	9	9
SB-283	H-SB-283RE-3	3	3
SB-283	H-SB-283RE-4	4	4
SB-284	H-SB-284RE-3	3	3
SB-284	H-SB-284RE-4	4	4
SB-474	H-SB-474RE-5	5	5
SB-474	H-SB-474RE-6	6	6
SB-604	H-SB-604-3	3	3
SB-604	H-SB-604-4	4	4
SB-604	H-SB-604-5	5	5
SB-604	H-SB-604-6	6	6
SB-604	H-SB-604-7	7	7
SB-604A	H-SB-604A-3	3	3
SB-604A	H-SB-604A-5	5	5
SB-604A	H-SB-604A-7	7	7
SB-604B	H-SB-604B-3	3	3
SB-604B	H-SB-604B-5	5	5
SB-604B	H-SB-604B-7	7	7

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-604D	H-SB-604D-3	3	3
SB-604D	H-SB-604D-3-D	3	3
SB-604D	H-SB-604D-5	5	5
SB-604D	H-SB-604D-7	7	7
SB-605	H-SB-605-3	3	3
SB-605	H-SB-605-4	4	4
SB-606	H-SB-606-3	3	3
SB-606	H-SB-606-4	4	4
SB-607	H-SB-607-3	3	3
SB-607	H-SB-607-4	4	4
SB-608	H-SB-608-3	3	3
SB-608	H-SB-608-4	4	4
SB-608	H-SB-608-4-D	4	4
SB-609	H-SB-609-3	3	3
SB-609	H-SB-609-4	4	4
SB-610	H-SB-610-3	3	3
SB-610	H-SB-610-4	4	4
SB-610	H-SB-610-5	5	5
SB-610	H-SB-610-6	6	6
SB-610	H-SB-610-7	7	7
SB-610B	H-SB-610B-3	3	3
SB-610B	H-SB-610B-5	5	5
SB-610B	H-SB-610B-5-D	5	5
SB-610C	H-SB-610C-3	3	3
SB-610C	H-SB-610C-5	5	5
SB-610D	H-SB-610D-3	3	3
SB-610D	H-SB-610D-5	5	5
SB-611	H-SB-611-3	3	3
SB-611	H-SB-611-4	4	4
SB-611	H-SB-611-5	5	5
SB-611	H-SB-611-6	6	6
SB-611	H-SB-611-7	7	7
SB-611A	H-SB-611A-3	3	3
SB-611A	H-SB-611A-5	5	5
SB-611D	H-SB-611D-3	3	3
SB-611D	H-SB-611D-5	5	5
SB-611D	H-SB-611D-5-D	5	5
SB-614	H-SB-614-10	10	10
SB-620	H-SB-620-5	5	5
SB-620	H-SB-620-6	6	6
SB-620	H-SB-620-6-D	6	6
SB-621	H-SB-621-5	5	5
SB-621	H-SB-621-6	6	6
SB-622	H-SB-622-5	5	5
SB-622	H-SB-622-6	6	6

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-623	H-SB-623-5	5	5
SB-623	H-SB-623-6	6	6
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-03	3	3
SB-814	H-SB-814-05	5	5
SB-814	H-SB-814-07	7	7
SB-814	H-SB-814-09	9	9
SB-815	H-SB-815-03	3	3
SB-815	H-SB-815-05	5	5
SB-815	H-SB-815-07	7	7
SB-815	H-SB-815-09	9	9
SB-816	H-SB-816-03	3	3
SB-816	H-SB-816-03-D	3	3
SB-816	H-SB-816-05	5	5
SB-816	H-SB-816-07	7	7
SB-816	H-SB-816-09	9	9
SB-817	H-SB-817-03	3	3
SB-817	H-SB-817-05	5	5
SB-817	H-SB-817-07	7	7
SB-817	H-SB-817-07-D	7	7
SB-817	H-SB-817-09	9	9

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-057	SB-57-15	15	15
SB-058	SB-58-15	15	15
SB-058	SB-58-20	20	20
SB-059	SB-59-15	15	15
SB-062	SB-62-15	15	15
SB-065	SB-65-15	15	15
SB-065	SB-65-20	20	20
SB-067	SB-67-15	15	15
SB-067	SB-67-20	20	20
SB-067	SB-67-25	25	25
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW40A	MRC-MW40[1214]	12	14
Phase II Soil Investigation Samples (Summer 2005)			
SB-244	SB-244-15	15	15
SB-245	SB-245-15	15	15
SB-246	SB-246-15	15	15
SB-247	SB-247-15	15	15
SB-248	SB-248-15	15	15
SB-249	SB-249-15	15	15
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-11	11	11
SB-057	F-SB-57RE-12	12	12
SB-057	F-SB-57RE-13	13	13
SB-057	F-SB-57RE-14	14	14
SB-057	F-SB-57RE-15	15	15
SB-058	F-SB-58RE-11	11	11
SB-058	F-SB-58RE-12	12	12
SB-058	F-SB-58RE-13	13	13
SB-058	F-SB-58RE-14	14	14
SB-058	F-SB-58RE-15	15	15
SB-058A	F-SB-58REA-12	12	12
SB-058A	F-SB-58REA-14	14	14
SB-058B	F-SB-58REB-12	12	12
SB-058B	F-SB-58REB-14	14	14
SB-058C	F-SB-58REC-12	12	12
SB-058C	F-SB-58REC-14	14	14
SB-058D	F-SB-58RED-12	12	12
SB-058D	F-SB-58RED-14	14	14
SB-060	D-SB-60RE-11	11	11
SB-060	D-SB-60RE-12	12	12
SB-060	D-SB-60RE-13	13	13
SB-060	D-SB-60RE-14	14	14
SB-060	D-SB-60RE-15	15	15
SB-061	D-SB-61RE-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-061	D-SB-61RE-12	12	12
SB-061	D-SB-61RE-13	13	13
SB-061	D-SB-61RE-14	14	14
SB-061	D-SB-61RE-15	15	15
SB-061A	D-SB-61REA-11	11	11
SB-061A	D-SB-61REA-13	13	13
SB-061A	D-SB-61REA-15	15	15
SB-061B	D-SB-61REB-11	11	11
SB-061B	D-SB-61REB-13	13	13
SB-061B	D-SB-61REB-15	15	15
SB-061C	D-SB-61REC-11	11	11
SB-061C	D-SB-61REC-13	13	13
SB-061C	D-SB-61REC-15	15	15
SB-061D	D-SB-61RED-11	11	11
SB-061D	D-SB-61RED-13	13	13
SB-061D	D-SB-61RED-15	15	15
SB-062	D-SB-62RE-11	11	11
SB-062	D-SB-62RE-12	12	12
SB-062	D-SB-62RE-13	13	13
SB-062	D-SB-62RE-14	14	14
SB-062	D-SB-62RE-15	15	15
SB-062A	D-SB-62REA-11	11	11
SB-062A	D-SB-62REA-11-D	11	11
SB-062A	D-SB-62REA-13	13	13
SB-062A	D-SB-62REA-15	15	15
SB-062B	D-SB-62REB-11	11	11
SB-062B	D-SB-62REB-13	13	13
SB-062B	D-SB-62REB-15	15	15
SB-062C	D-SB-62REC-11	11	11
SB-062C	D-SB-62REC-13	13	13
SB-062C	D-SB-62REC-15	15	15
SB-062D	D-SB-62RED-11	11	11
SB-062D	D-SB-62RED-13	13	13
SB-062D	D-SB-62RED-15	15	15
SB-063	D-SB-63RE-11	11	11
SB-063	D-SB-63RE-12	12	12
SB-063	D-SB-63RE-13	13	13
SB-063	D-SB-63RE-14	14	14
SB-063	D-SB-63RE-15	15	15
SB-065	D-SB-65RE-11	11	11
SB-065	D-SB-65RE-12	12	12
SB-065	D-SB-65RE-13	13	13
SB-065	D-SB-65RE-14	14	14
SB-065	D-SB-65RE-15	15	15
SB-066	D-SB-66RE-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-066	D-SB-66RE-12	12	12
SB-066	D-SB-66RE-15	15	15
SB-239	D-SB-239RE-11	11	11
SB-239	D-SB-239RE-12	12	12
SB-240	D-SB-240RE-11	11	11
SB-240	D-SB-240RE-12	12	12
SB-240	D-SB-240RE-13	13	13
SB-240	D-SB-240RE-14	14	14
SB-240	D-SB-240RE-15	15	15
SB-240A	D-SB-240REA-11	11	11
SB-240A	D-SB-240REA-13	13	13
SB-240A	D-SB-240REA-15	15	15
SB-240B	D-SB-240REB-11	11	11
SB-240B	D-SB-240REB-13	13	13
SB-240C	D-SB-240REC-11	11	11
SB-240C	D-SB-240REC-13	13	13
SB-240C	D-SB-240REC-15	15	15
SB-240D	D-SB-240RED-11	11	11
SB-240D	D-SB-240RED-11-D	11	11
SB-240D	D-SB-240RED-13	13	13
SB-240D	D-SB-240RED-15	15	15
SB-243	D-SB-243RE-11	11	11
SB-243	D-SB-243RE-12	12	12
SB-243	D-SB-243RE-13	13	13
SB-243	D-SB-243RE-14	14	14
SB-243	D-SB-243RE-15	15	15
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-11	11	11
SB-766	D-SB-766-13	13	13
SB-766	D-SB-766-15	15	15
SB-767	D-SB-767-11	11	11
SB-767	D-SB-767-13	13	13
SB-767	D-SB-767-15	15	15
SB-768	D-SB-768-11	11	11
SB-768	D-SB-768-13	13	13
SB-768	D-SB-768-15	15	15
SB-769	D-SB-769-11	11	11
SB-769	D-SB-769-13	13	13
SB-769	D-SB-769-15	15	15
SB-770	D-SB-770-13	13	13
SB-770	D-SB-770-15	15	15
SB-771	D-SB-771-11	11	11
SB-771	D-SB-771-13	13	13
SB-771	D-SB-771-15	15	15
SB-772	D-SB-772-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-772	D-SB-772-13	13	13
SB-772	D-SB-772-15	15	15
SB-773	D-SB-773-11	11	11
SB-773	D-SB-773-13	13	13
SB-773	D-SB-773-15	15	15
SB-774	D-SB-774-11	11	11
SB-774	D-SB-774-13	13	13
SB-774	D-SB-774-15	15	15
SB-774	D-SB-774-15-D	15	15
SB-775	D-SB-775-11	11	11
SB-775	D-SB-775-13	13	13
SB-775	D-SB-775-15	15	15
SB-776	D-SB-776-11	11	11
SB-776	D-SB-776-13	13	13
SB-776	D-SB-776-15	15	15
SB-777	D-SB-777-11	11	11
SB-777	D-SB-777-13	13	13
SB-777	D-SB-777-15	15	15
SB-778	D-SB-778-11	11	11
SB-778	D-SB-778-13	13	13
SB-778	D-SB-778-15	15	15
SB-779	D-SB-779-11	11	11
SB-779	D-SB-779-13	13	13
SB-779	D-SB-779-15	15	15
SB-780	D-SB-780-11	11	11
SB-780	D-SB-780-13	13	13
SB-780	D-SB-780-15	15	15
SB-781	D-SB-781-11	11	11
SB-781	D-SB-781-13	13	13
SB-781	D-SB-781-15	15	15
SB-782	D-SB-782-11	11	11
SB-782	D-SB-782-13	13	13
SB-782	D-SB-782-15	15	15
SB-783	D-SB-783-11	11	11
SB-783	D-SB-783-13	13	13
SB-783	D-SB-783-15	15	15
SB-784	D-SB-784-11	11	11
SB-784	D-SB-784-13	13	13
SB-784	D-SB-784-15	15	15
SB-785	D-SB-785-11	11	11
SB-785	D-SB-785-13	13	13
SB-785	D-SB-785-15	15	15
SB-786	D-SB-786-11	11	11
SB-786	D-SB-786-13	13	13
SB-786	D-SB-786-15	15	15

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-787	D-SB-787-11	11	11
SB-787	D-SB-787-13	13	13
SB-787	D-SB-787-15	15	15
SB-788	D-SB-788-11	11	11
SB-788	D-SB-788-13	13	13
SB-788	D-SB-788-15	15	15
SB-789	D-SB-789-11	11	11
SB-789	D-SB-789-13	13	13
SB-789	D-SB-789-15	15	15
SB-790	D-SB-790-11	11	11
SB-790	D-SB-790-13	13	13
SB-790	D-SB-790-15	15	15
SB-791	D-SB-791-11	11	11
SB-791	D-SB-791-13	13	13
SB-791	D-SB-791-15	15	15
SB-792	D-SB-792-11	11	11
SB-792	D-SB-792-13	13	13
SB-792	D-SB-792-15	15	15
SB-793	D-SB-793-11	11	11
SB-793	D-SB-793-13	13	13
SB-793	D-SB-793-15	15	15
SB-794	D-SB-794-11	11	11
SB-794	D-SB-794-13	13	13
SB-794	D-SB-794-15	15	15
SB-795	D-SB-795-11	11	11
SB-795	D-SB-795-13	13	13
SB-795	D-SB-795-15	15	15
SB-796	D-SB-796-11	11	11
SB-796	D-SB-796-13	13	13
SB-796	D-SB-796-15	15	15

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Additional Soil Characterization Samples (Fall 2007)			
SB-503	SB-503-1012	10	12
Final Soil Delineation Samples (Fall 2009)			
SB-555A	SB-555A-12	12	12
SB-555A	SB-555A-14	14	14
SB-555A	SB-555A-16	16	16
SB-570A	SB-570A-12	12	12
SB-570A	SB-570A-14	14	14
SB-570A	SB-570A-16	16	16
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-11	11	11
SB-818	E-SB-818-13	13	13
SB-818	E-SB-818-15	15	15
SB-819	E-SB-819-11	11	11
SB-819	E-SB-819-13	13	13
SB-819	E-SB-819-15	15	15
SB-820	E-SB-820-11	11	11
SB-820	E-SB-820-13	13	13
SB-820	E-SB-820-15	15	15
SB-821	E-SB-821-11	11	11
SB-821	E-SB-821-13	13	13
SB-821	E-SB-821-15	15	15
SB-822	E-SB-822-11	11	11
SB-822	E-SB-822-13	13	13
SB-822	E-SB-822-15	15	15
SB-824	E-SB-824-11	11	11
SB-824	E-SB-824-13	13	13
SB-824	E-SB-824-15	15	15
SB-825	E-SB-825-11	11	11
SB-825	E-SB-825-13	13	13
SB-825	E-SB-825-15	15	15
SB-826	E-SB-826-11	11	11
SB-826	E-SB-826-13	13	13
SB-826	E-SB-826-15	15	15
SB-827	E-SB-827-11	11	11
SB-827	E-SB-827-13	13	13
SB-827	E-SB-827-15	15	15
SB-828	E-SB-828-11	11	11
SB-828	E-SB-828-13	13	13
SB-828	E-SB-828-15	15	15
SB-829	E-SB-829-11	11	11
SB-829	E-SB-829-13	13	13
SB-829	E-SB-829-15	15	15
SB-830	E-SB-830-11	11	11
SB-830	E-SB-830-11-D	11	11

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-830	E-SB-830-13	13	13
SB-830	E-SB-830-15	15	15
SB-831	E-SB-831-11	11	11
SB-831	E-SB-831-13	13	13
SB-831	E-SB-831-15	15	15
SB-831	E-SB-831-15-D	15	15
SB-832	E-SB-832-11	11	11
SB-832	E-SB-832-13	13	13
SB-832	E-SB-832-15	15	15
SB-833	E-SB-833-11	11	11
SB-834	E-SB-834-11	11	11
SB-834	E-SB-834-13	13	13
SB-834	E-SB-834-15	15	15
SB-835	E-SB-835-11	11	11
SB-835	E-SB-835-13	13	13
SB-835	E-SB-835-15	15	15
SB-836	E-SB-836-11	11	11
SB-836	E-SB-836-13	13	13
SB-836	E-SB-836-15	15	15
SB-837	E-SB-837-11	11	11
SB-837	E-SB-837-13	13	13
SB-837	E-SB-837-13-D	13	13
SB-837	E-SB-837-15	15	15
SB-838	E-SB-838-11	11	11
SB-838	E-SB-838-13	13	13
SB-838	E-SB-838-15	15	15
SB-839	E-SB-839-11	11	11
SB-839	E-SB-839-13	13	13
SB-839	E-SB-839-15	15	15
SB-840	E-SB-840-11	11	11
SB-840	E-SB-840-13	13	13
SB-840	E-SB-840-15	15	15
SB-841	E-SB-841-11	11	11
SB-841	E-SB-841-13	13	13
SB-841	E-SB-841-15	15	15
SB-842	E-SB-842-11	11	11
SB-842	E-SB-842-11-D	11	11
SB-842	E-SB-842-13	13	13
SB-842	E-SB-842-15	15	15
SB-843	E-SB-843-11	11	11
SB-843	E-SB-843-11-D	11	11
SB-843	E-SB-843-13	13	13
SB-843	E-SB-843-15	15	15
SB-844	E-SB-844-11	11	11
SB-844	E-SB-844-13	13	13

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-844	E-SB-844-15	15	15
SB-845	E-SB-845-11	11	11
SB-845	E-SB-845-13	13	13
SB-845	E-SB-845-15	15	15
SB-846	E-SB-846-11	11	11
SB-846	E-SB-846-13	13	13
SB-846	E-SB-846-15	15	15
SB-847	E-SB-847-11	11	11
SB-847	E-SB-847-13	13	13
SB-847	E-SB-847-15	15	15
SB-847	E-SB-847-15-D	15	15

Table 3-13

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-056	SB-56-15	15	15
SB-093	SB-93-15	15	15
SB-094	SB-94-15	15	15
SB-096	SB-96-15	15	15
Final Soil Delineation Samples (Fall 2009)			
SB-055	F-SB-55RE-11	11	11
SB-056	F-SB-56RE-11	11	11
SB-056	F-SB-56RE-12	12	12
SB-056	F-SB-56RE-13	13	13
SB-056	F-SB-56RE-13-D	13	13
SB-056	F-SB-56RE-14	14	14
SB-056	F-SB-56RE-15	15	15
SB-093	F-SB-93RE-11	11	11
SB-093	F-SB-93RE-12	12	12
SB-093	F-SB-93RE-13	13	13
SB-093	F-SB-93RE-14	14	14
SB-094	F-SB-94RE-11	11	11
SB-094	F-SB-94RE-12	12	12
SB-094	F-SB-94RE-12-D	12	12
SB-094	F-SB-94RE-13	13	13
SB-094	F-SB-94RE-14	14	14
SB-094	F-SB-94RE-15	15	15
SB-095	F-SB-95RE-11	11	11
SB-095	F-SB-95RE-12	12	12
SB-095	F-SB-95RE-13	13	13
SB-095	F-SB-95RE-13-D	13	13
SB-095	F-SB-95RE-14	14	14
SB-095	F-SB-95RE-15	15	15
SB-096	F-SB-96RE-11	11	11
SB-096	F-SB-96RE-11-D	11	11
SB-096	F-SB-96RE-12	12	12
SB-096	F-SB-96RE-13	13	13
SB-096	F-SB-96RE-14	14	14
SB-096	F-SB-96RE-15	15	15
SB-268RE	F-SB-268RE-11	11	11
SB-268RE	F-SB-268RE-12	12	12
SB-268RE	F-SB-268RE-13	13	13
SB-268RE	F-SB-268RE-14	14	14
SB-268RE	F-SB-268RE-15	15	15
SB-405	F-SB-405RE-11	11	11
SB-405	F-SB-405RE-12	12	12
SB-405	F-SB-405RE-13	13	13
SB-405	F-SB-405RE-13-D	13	13
SB-628	F-SB-628-11	11	11

Table 3-13

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-629	F-SB-629-11	11	11
SB-630	F-SB-630-11	11	11
SB-631	F-SB-631-11	11	11
SB-635	F-SB-635-11	11	11
SB-635	F-SB-635-12	12	12
SB-635	F-SB-635-13	13	13
SB-635C	F-SB-635C-11	11	11
SB-635D	F-SB-635D-11	11	11
SB-642	F-SB-642-11	11	11
SB-642	F-SB-642-13	13	13
SB-642	F-SB-642-15	15	15
SB-642A	F-SB-642A-11	11	11
SB-642A	F-SB-642A-13	13	13
SB-642A	F-SB-642A-15	15	15
SB-642B	F-SB-642B-11	11	11
SB-642B	F-SB-642B-13	13	13
SB-642B	F-SB-642B-15	15	15
SB-642C	F-SB-642C-11	11	11
SB-642C	F-SB-642C-13	13	13
SB-642C	F-SB-642C-15	15	15
SB-643	F-SB-643-11	11	11
SB-643	F-SB-643-13	13	13
SB-643	F-SB-643-15	15	15
SB-643B	F-SB-643B-11	11	11
SB-643B	F-SB-643B-13	13	13
SB-643B	F-SB-643B-15	15	15
SB-643C	F-SB-643C-11	11	11
SB-643C	F-SB-643C-13	13	13
SB-643C	F-SB-643C-15	15	15
SB-644	F-SB-644-11	11	11
SB-644	F-SB-644-13	13	13
SB-644	F-SB-644-15	15	15

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-085	SB-85-12	12	12
SB-086	SB-86-12	12	12
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW12A	MRC-MW12 (1213)	12	13
ISCO Pilot Study Samples (November 2007)			
OW-4	OW-4-26	26	26
OW-4	OW-4-30	30	30
OW-6	OW-6-20	20	20
OW-6	OW-6-30	30	30
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-11	11	11
SB-091	G-SB-91RE-12	12	12
SB-091	G-SB-91RE-13	13	13
SB-091	G-SB-91RE-14	14	14
SB-091	G-SB-91RE-15	15	15
SB-091A	G-SB-91REA-11	11	11
SB-091A	G-SB-91REA-13	13	13
SB-091A	G-SB-91REA-15	15	15
SB-091B	G-SB-91REB-11	11	11
SB-091B	G-SB-91REB-13	13	13
SB-091B	G-SB-91REB-15	15	15
SB-091C	G-SB-91REC-11	11	11
SB-091C	G-SB-91REC-13	13	13
SB-091C	G-SB-91REC-15	15	15
SB-091C	G-SB-91REC-15-D	15	15
SB-092	G-SB-92RE-11	11	11
SB-092	G-SB-92RE-12	12	12
SB-092	G-SB-92RE-13	13	13
SB-092	G-SB-92RE-14	14	14
SB-092	G-SB-92RE-15	15	15
SB-092C	G-SB-92REC-11	11	11
SB-092C	G-SB-92REC-13	13	13
SB-092C	G-SB-92REC-15	15	15
SB-092D	G-SB-92RED-11	11	11
SB-092D	G-SB-92RED-13	13	13
SB-092D	G-SB-92RED-15	15	15
SB-195	G-SB-195RE-11	11	11
SB-195	G-SB-195RE-12	12	12
SB-195	G-SB-195RE-13	13	13
SB-195	G-SB-195RE-14	14	14
SB-195	G-SB-195RE-15	15	15
SB-196	G-SB-196RE-11	11	11
SB-196	G-SB-196RE-12	12	12
SB-196	G-SB-196RE-13	13	13

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-657	G-SB-657-11	11	11
SB-657	G-SB-657-11-D	11	11
SB-657	G-SB-657-12	12	12
SB-657	G-SB-657-13	13	13
SB-657	G-SB-657-14	14	14
SB-657	G-SB-657-15	15	15
SB-657A	G-SB-657A-11	11	11
SB-657A	G-SB-657A-13	13	13
SB-657A	G-SB-657A-15	15	15
SB-657B	G-SB-657B-11	11	11
SB-657B	G-SB-657B-13	13	13
SB-657B	G-SB-657B-15	15	15
SB-657D	G-SB-657D-11	11	11
SB-657D	G-SB-657D-13	13	13
SB-657D	G-SB-657D-15	15	15
SB-658	G-SB-658-11	11	11
SB-658	G-SB-658-11-D	11	11
SB-658	G-SB-658-12	12	12
SB-658	G-SB-658-13	13	13
SB-658	G-SB-658-14	14	14
SB-658	G-SB-658-15	15	15
SB-658B	G-SB-658B-11	11	11
SB-658B	G-SB-658B-15	15	15
SB-658C	G-SB-658C-11	11	11
SB-658C	G-SB-658C-13	13	13
SB-658C	G-SB-658C-13-D	13	13
SB-658C	G-SB-658C-15	15	15
SB-659	G-SB-659-11	11	11
SB-659	G-SB-659-12	12	12
SB-659	G-SB-659-13	13	13
SB-659	G-SB-659-14	14	14
SB-659	G-SB-659-15	15	15
SB-659C	G-SB-659C-11	11	11
SB-659C	G-SB-659C-13	13	13
SB-659C	G-SB-659C-15	15	15
SB-659D	G-SB-659D-11	11	11
SB-659D	G-SB-659D-13	13	13
SB-659D	G-SB-659D-15	15	15
SB-660	G-SB-660-11	11	11
SB-660	G-SB-660-12	12	12
SB-662	G-SB-662-11	11	11
SB-662	G-SB-662-12	12	12
SB-662	G-SB-662-13	13	13
SB-662A	G-SB-662A-11	11	11
SB-662B	G-SB-662B-11	11	11

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-662C	G-SB-662C-11	11	11
SB-671	G-SB-671RE-11	11	11
SB-671	G-SB-671RE-12	12	12
SB-671	G-SB-671RE-13	13	13
SB-671B	G-SB-671B-11	11	11
SB-671C	G-SB-671C-11	11	11
SB-671D	G-SB-671D-11	11	11
SB-704	G-SB-704-11	11	11
SB-704	G-SB-704-12	12	12
SB-704	G-SB-704-15	15	15
SB-706	G-SB-706-11	11	11
SB-706	G-SB-706-12	12	12
SB-706	G-SB-706-13	13	13
SB-706	G-SB-706-14	14	14
SB-706	G-SB-706-15	15	15
SB-716	G-SB-716-11	11	11
SB-716	G-SB-716-12	12	12
SB-716	G-SB-716-15	15	15
SB-726	G-SB-726-11	11	11
SB-726	G-SB-726-12	12	12
SB-726	G-SB-726-13	13	13
SB-726	G-SB-726-14	14	14
SB-726	G-SB-726-15	15	15
SB-726	G-SB-726-15-D	15	15
SB-735	G-SB-735-11	11	11
SB-735B	G-SB-735B-11	11	11
SB-735C	G-SB-735C-11	11	11
SB-736B	G-SB-736B-11	11	11
SB-736C	G-SB-736C-11	11	11
SB-736C	G-SB-736C-11-D	11	11
SB-761	G-SB-761-11	11	11
SB-761	G-SB-761-13	13	13
SB-761	G-SB-761-15	15	15
SB-761	G-SB-761-15-D	15	15
SB-761A	G-SB-761A-11	11	11
SB-761A	G-SB-761A-13	13	13
SB-761A	G-SB-761A-15	15	15
SB-761B	G-SB-761B-11	11	11
SB-761B	G-SB-761B-15	15	15
SB-761C	G-SB-761C-11	11	11
SB-761C	G-SB-761C-15	15	15
SB-761D	G-SB-761D-11	11	11
SB-761D	G-SB-761D-13	13	13
SB-761D	G-SB-761D-15	15	15
SB-762	G-SB-762-11	11	11

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-762	G-SB-762-13	13	13
SB-762	G-SB-762-15	15	15
SB-762A	G-SB-762A-11	11	11
SB-762A	G-SB-762A-13	13	13
SB-762A	G-SB-762A-15	15	15
SB-762B	G-SB-762B-11	11	11
SB-762B	G-SB-762B-11-D	11	11
SB-762B	G-SB-762B-13	13	13
SB-762B	G-SB-762B-15	15	15
SB-762D	G-SB-762D-11	11	11
SB-762D	G-SB-762D-13	13	13
SB-762D	G-SB-762D-15	15	15
SB-763	G-SB-763-11	11	11
SB-763	G-SB-763-13	13	13
SB-763	G-SB-763-15	15	15
SB-763A	G-SB-763A-11	11	11
SB-763A	G-SB-763A-13	13	13
SB-763A	G-SB-763A-15	15	15
SB-763B	G-SB-763B-11	11	11
SB-763B	G-SB-763B-13	13	13
SB-763B	G-SB-763B-15	15	15
SB-763C	G-SB-763C-11	11	11
SB-763C	G-SB-763C-13	13	13
SB-763C	G-SB-763C-15	15	15
SB-763D	G-SB-763D-11	11	11
SB-763D	G-SB-763D-13	13	13
SB-763D	G-SB-763D-15	15	15
SB-764	G-SB-764-11	11	11
SB-764	G-SB-764-13	13	13
SB-764	G-SB-764-15	15	15
SB-764A	G-SB-764A-11	11	11
SB-764C	G-SB-764C-11	11	11
SB-764D	G-SB-764D-11	11	11
SB-765	G-SB-765-11	11	11
SB-765	G-SB-765-13	13	13
SB-765	G-SB-765-15	15	15
Deep Groundwater Investigation (May 2010)			
MRC-MW95D	MRC-MW95D-SO-214	214	214
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-11	11	11
SB-803	G-SB-803-13	13	13
SB-803	G-SB-803-15	15	15
SB-804	G-SB-804-11	11	11
SB-804	G-SB-804-13	13	13
SB-804	G-SB-804-15	15	15

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-805	G-SB-805-11	11	11
SB-805	G-SB-805-13	13	13
SB-805	G-SB-805-15	15	15
SB-806	G-SB-806-11	11	11
SB-806	G-SB-806-15	15	15
SB-807	G-SB-807-11	11	11
SB-807	G-SB-807-13	13	13
SB-807	G-SB-807-15	15	15
SB-808	G-SB-808-11	11	11
SB-808	G-SB-808-13	13	13
SB-808	G-SB-808-15	15	15
SB-809	G-SB-809-11	11	11
SB-809	G-SB-809-13	13	13
SB-809	G-SB-809-15	15	15
SB-810	G-SB-810-11	11	11
SB-810	G-SB-810-13	13	13
SB-810	G-SB-810-15	15	15
SB-811	G-SB-811-11	11	11
SB-811	G-SB-811-13	13	13
SB-811	G-SB-811-15	15	15
SB-812	G-SB-812-11	11	11
SB-812	G-SB-812-15	15	15
SB-813	G-SB-813-11	11	11
SB-813	G-SB-813-13	13	13
SB-813	G-SB-813-15	15	15
SB-813	G-SB-813-15-D	15	15
Data Gap Investigation Samples (Fall 2010)			
G-TP-2	G-TP-2-5-13-14	13	14

Table 3-15

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Final Soil Delineation Samples (Fall 2009)			
SB-200RE	H-SB-200RE-11	11	11
SB-200RE	H-SB-200RE-12	12	12
SB-200RE	H-SB-200RE-13	13	13
SB-200RE	H-SB-200RE-14	14	14
SB-200RE	H-SB-200RE-15	15	15
SB-282	H-SB-282RE-11	11	11
SB-282	H-SB-282RE-12	12	12
SB-282	H-SB-282RE-13	13	13
SB-282	H-SB-282RE-14	14	14
SB-282	H-SB-282RE-15	15	15
SB-282A	H-SB-282REA-11	11	11
SB-282A	H-SB-282REA-13	13	13
SB-282A	H-SB-282REA-15	15	15
SB-282B	H-SB-282REB-11	11	11
SB-282B	H-SB-282REB-13	13	13
SB-282B	H-SB-282REB-15	15	15
SB-282C	H-SB-282REC-11	11	11
SB-282C	H-SB-282REC-13	13	13
SB-282C	H-SB-282REC-15	15	15
SB-282D	H-SB-282RED-11	11	11
SB-282D	H-SB-282RED-13	13	13
SB-282D	H-SB-282RED-15	15	15
SB-285	H-SB-285RE-11	11	11
SB-285	H-SB-285RE-12	12	12
SB-286RE	H-SB-286RE-11	11	11
SB-286RE	H-SB-286RE-12	12	12
SB-286RE	H-SB-286RE-15	15	15
SB-596	H-SB-596-11	11	11
SB-596	H-SB-596-12	12	12
SB-597	H-SB-597-11	11	11
SB-597	H-SB-597-12	12	12
SB-598	H-SB-598-11	11	11
SB-598	H-SB-598-12	12	12
SB-599	H-SB-599-11	11	11
SB-599	H-SB-599-12	12	12
SB-612	H-SB-612-11	11	11
SB-612	H-SB-612-11-D	11	11
SB-612	H-SB-612-12	12	12
SB-613	H-SB-613-11	11	11
SB-613	H-SB-613-12	12	12
SB-614	H-SB-614-11	11	11
SB-614	H-SB-614-12	12	12
SB-615	H-SB-615-11	11	11
SB-615	H-SB-615-12	12	12

Table 3-15

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-616	H-SB-616-11	11	11
SB-616	H-SB-616-11-D	11	11
SB-616	H-SB-616-12	12	12
SB-617	H-SB-617-11	11	11
SB-617	H-SB-617-11-D	11	11
SB-617	H-SB-617-12	12	12
SB-618	H-SB-618-11	11	11
SB-618	H-SB-618-12	12	12
SB-619	H-SB-619-11	11	11
SB-619	H-SB-619-12	12	12
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-11	11	11
SB-814	H-SB-814-13	13	13
SB-814	H-SB-814-15	15	15
SB-815	H-SB-815-11	11	11
SB-815	H-SB-815-13	13	13
SB-815	H-SB-815-15	15	15
SB-816	H-SB-816-11	11	11
SB-817	H-SB-817-11	11	11
SB-817	H-SB-817-13	13	13
SB-817	H-SB-817-15	15	15

Table 3-16

Human Health Screening Criteria for Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

CAS No.	Chemical	MDE Cleanup Standards[1]		USEPA Regional Screening Levels[2]		USEPA Soil Screening Levels[3]
		Residential Soil (mg/kg)	Groundwater Protection (mg/kg)	Residential Soil (mg/kg)	Protection of Groundwater (mg/kg)	Residential Soil to Air (mg/kg)
Volatile Organic Compounds						
71-55-6	1,1,1-TRICHLOROETHANE	16000	NA [4]	8700 N	NA [4]	1,200 sat
75-34-3	1,1-DICHLOROETHANE	1600	5.1	3.3 C	0.00069	1,200 N
75-35-4	1,1-DICHLOROETHENE	390	2.9	240 N	0.12	290 N
87-61-6	1,2,3-TRICHLOROBENZENE	NA	NA	49 N	0.087	NA
526-73-8	1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
120-82-1	1,2,4-TRICHLOROBENZENE	78	2.4	62 N[5]	0.0068	180 N
95-63-6	1,2,4-TRIMETHYLBENZENE	NA	NA	62 N	0.021	120 N
95-50-1	1,2-DICHLOROBENZENE	700	4.6	1900 N	0.36	600 sat
107-06-2	1,2-DICHLOROETHANE	7	0.001	0.43 C	0.000042	0.36 C
108-67-8	1,3,5-TRIMETHYLBENZENE	NA	NA	780 N	0.52	72 N
541-73-1	1,3-DICHLOROBENZENE	23	0.29	NA	NA	NA
106-46-7	1,4-DICHLOROBENZENE	27	0.0042	2.4 C	0.00041	11,000 N
78-93-3	2-BUTANONE	4700	29	28000 N	1.5	24,000 sat
99-87-6	4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
67-64-1	ACETONE	7000	22	61000 N	4.5	NA
71-43-2	BENZENE	12	0.0019	1.1 C	0.00021	1 C
74-83-9	BROMOMETHANE	11	0.041	7.3 N	0.0022	9 N
75-15-0	CARBON DISULFIDE	780	19	820 N	0.31	720 sat
56-23-5	CARBON TETRACHLORIDE	4.9	0.0021	0.61 C	0.00017	0.33 C
108-90-7	CHLOROBENZENE	160	0.68	290 N	0.062	130 N
74-87-3	CHLOROMETHANE	NA	0.93	120 N	0.049	2 C
156-59-2	CIS-1,2-DICHLOROETHENE	78	NA	160 N	0.021	NA
100-41-4	ETHYLBENZENE	780	15	5.4 C	0.0017	400 sat
98-82-8	ISOPROPYLBENZENE	780	64	2100 N	1.1	850 sat
TTNUS054	M+P-XYLENES	1600 [6]	3 [6]	630 N[7]	0.2 [7]	700 N[7]
75-09-2	METHYLENE CHLORIDE	85	0.019	11 C	0.0012	13 C
91-20-3	NAPHTHALENE	160	0.15	3.6 C	0.00047	170 N
104-51-8	N-BUTYLBENZENE	NA	NA	NA	NA	NA
103-65-1	N-PROPYLBENZENE	NA	NA	3400 N	2.5	NA
95-47-6	O-XYLENE	1600 [6]	3 [6]	3800 N	1.2	NA
135-98-8	SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
100-42-5	STYRENE	1600	NA [4]	6300 N	NA [4]	1500 sat
994-05-8	TERT-AMYL METHYL ETHER	NA	NA [4]	NA	NA [4]	NA
75-65-0	TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
127-18-4	TETRACHLOROETHENE	1.2	0.0047	0.55 C	0.000049	10 C
108-88-3	TOLUENE	630	27	5000 N	1.6	650 sat
1330-20-7	TOTAL XYLENES	1600 [6]	3 [6]	630 N	0.2	700 N
79-01-6	TRICHLOROETHENE	1.6	0.00026	2.8 C	0.00072	0.071 C
75-69-4	TRICHLOROFLUOROMETHANE	NA	NA	790 N	0.83	1,100 N
75-01-4	VINYL CHLORIDE	0.09	0.00012	0.06 C	0.0000056	0.28 C
Semivolatile Organic Compounds						
105-67-9	2,4-DIMETHYLPHENOL	160	6.7	1200 N	0.86	NA
88-74-4	2-NITROANILINE	NA	NA	610 N	0.15	1.2 N
65-85-0	BENZOIC ACID	NA	NA	240000 N	34	NA
100-51-6	BENZYL ALCOHOL	NA	NA	6100 N	0.89	NA
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	46	2900	35 C	1.1	NA
85-68-7	BUTYL BENZYL PHTHALATE	NA	NA	260 C	0.51	NA
105-60-2	CAPROLACTAM	NA	NA	31000 N	4.5	NA
86-74-8	CARBAZOLE	32	0.47	NA	NA	NA
132-64-9	DIBENZOFURAN	7.8	NA	78 N	0.68	NA
131-11-3	DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
84-74-2	DI-N-BUTYL PHTHALATE	780	5000	6100 N	9.2	NA
117-84-0	DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
86-30-6	N-NITROSODIPHENYLAMINE	130	0.76	99 C	0.075	NA
108-95-2	PHENOL	2300	67	18000 N	6.3	NA
Polycyclic Aromatic Hydrocarbons						
90-12-0	1-METHYLNAPHTHALENE	NA	NA	22 C	0.012	NA
91-57-6	2-METHYLNAPHTHALENE	31	4.4	310 N	0.75	NA
83-32-9	ACENAPHTHENE	470	100	3400 N	22	NA
208-96-8	ACENAPHTHYLENE	470	100	3400 N[8]	22 [8]	NA
120-12-7	ANTHRACENE	2300	470	17000 N	360	NA
CALC013	BAP EQUIVALENT-1/2 NONDETECT[19]	0.022	0.12	0.015 C	0.0035	NA
CALC049	BAP EQUIVALENT-POSITIVE RESULTS[19]	0.022	0.12	0.015 C	0.0035	NA
56-55-3	BENZO(A)ANTHRACENE	0.22	0.48	0.15 C	0.01	NA
50-32-8	BENZO(A)PYRENE	0.022	0.12	0.015 C	0.0035	NA
205-99-2	BENZO(B)FLUORANTHENE	0.22	1.5	0.15 C	0.035	NA
TTNUS140	BENZO(B+K)FLUORANTHENE	0.22 [17]	1.5 [17]	0.15 C[17]	0.035 [17]	NA
191-24-2	BENZO(G,H,I)PERYLENE	230	680	1700 N[9]	120 [9]	NA
207-08-9	BENZO(K)FLUORANTHENE	2.2	15	1.5 C	0.35	NA
218-01-9	CHRYSENE	22	48	15 C	1.1	NA

Table 3-16

Human Health Screening Criteria for Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

CAS No.	Chemical	MDE Cleanup Standards[1]		USEPA Regional Screening Levels[2]		USEPA Soil Screening Levels[3]
		Residential Soil (mg/kg)	Groundwater Protection (mg/kg)	Residential Soil (mg/kg)	Protection of Groundwater (mg/kg)	Residential Soil to Air (mg/kg)
53-70-3	DIBENZO(A,H)ANTHRACENE	0.022	0.46	0.015 C	0.011	NA
206-44-0	FLUORANTHENE	310	6300	2300 N	160	NA
86-73-7	FLUORENE	310	140	2300 N	27	NA
193-39-5	INDENO(1,2,3-CD)PYRENE	0.22	4.2	0.15 C	0.12	NA
85-01-8	PHENANTHRENE	2300	470	1700 N[9]	120 [9]	NA
129-00-0	PYRENE	230	680	1700 N	120	NA
Pesticides/Polychlorinated Biphenyls						
72-54-8	4,4'-DDD	2.7	11	2 C	0.066	NA
72-55-9	4,4'-DDE	1.9	35	1.4 C	0.047	NA
53469-21-9	AROCLOR-1242	0.32	NA	0.22 C	0.0053	NA
11097-69-1	AROCLOR-1254	0.32	1.1	1.1 N[5]	0.0088	NA
11096-82-5	AROCLOR-1260	0.32	NA	0.22 C	0.024	NA
319-85-7	BETA-BHC	0.35	0.0031	0.27 C	0.00022	6 C
1336-36-3	TOTAL AROCLOR	0.32 [10]	0.41 [10]	0.22 C[11]	NA	NA
Metals						
7440-36-0	ANTIMONY	3.1	13	31 N	0.66	NA
7440-38-2	ARSENIC	0.43	0.026	0.39 C	0.0013	769 C
7440-39-3	BARIUM	1600	6000	15000 N	300	709,000 N
7440-41-7	BERYLLIUM	16	1200	160 N	58	1,380 C
7440-43-9	CADMIUM	3.9	27	70 N	1.4	1,840 C
7440-47-3	CHROMIUM	12000 [12]	2000000000 [12]	120000 N[12]	99000000 [12]	276 C
7440-48-4	COBALT	NA	NA	23 N	0.49	1,180 C
7440-50-8	COPPER	310	11000	3100 N	51	NA
7439-89-6	IRON	5500	NA	55000 N	640	NA
7439-92-1	LEAD	400	NA	400	14 [13]	NA
7439-96-5	MANGANESE	160	950	1800 N	57	70,900 N
7439-97-6	MERCURY	2.3 [14]	NA	23 N[15]	NA	NA
7439-98-7	MOLYBDENUM	NA	NA	390 N	3.7	NA
7440-02-0	NICKEL	160	NA	1500 N	48	NA
7782-49-2	SELENIUM	39	19	390 N	0.95	NA
7440-22-4	SILVER	39	31	390 N	1.6	NA
7440-28-0	THALLIUM	0.55	3.6	NA	NA	NA
7440-62-2	VANADIUM	7.8	730	390 N[16]	180	NA
7440-66-6	ZINC	2300	14000	23000 N	680	NA
Petroleum Hydrocarbons						
TTNUS004	DIESEL RANGE ORGANICS	230	NA	NA	NA	NA
TTNUS005	GASOLINE RANGE ORGANICS	230	NA	NA	NA	NA
TTNUS709	TPH (C09-C36)	NA	NA	NA	NA	284,000,000 N[18]
TTNUS827	TPH (C10-C32)	NA	NA	NA	NA	284,000,000 N[18]
Miscellaneous Parameters						
18540-29-9	HEXAVALENT CHROMIUM	23	42	0.29 C	0.00083	276 C
22967-92-6	MERCURY (METHYL)	0.78	NA	7.8 N	NA	NA
TTNUS291	PERCENT SOLIDS	NA	NA	NA	NA	NA
TTNUS002	PH	NA	NA	NA	NA	NA
TTNUS046	TOTAL SOLIDS	NA	NA	NA	NA	NA
TTNUS003	TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA

Notes:

1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0
3 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
4 - Groundwater protection criteria or soil-to-air criteria are not applicable for this chemical because this chemical was only detected in deep subsurface soil (greater than 10 feet).
5 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - The value is for benzo(b)fluoranthene.
18 - The value for total petroleum hydrocarbons (aliphatic low) is used.
19 - See Section 3 for BaP equivalent calculation methodology.

BaP = Benzo(a)pyrene
C = Carcinogenic
CAS = Chemical Abstract Service
N = Noncarcinogenic
NA = Not available/not applicable
sat = Soil Saturation Concentration

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**78000**	**6,200 N[8]**	**18,000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	700000	190,000 N	600,000 sat	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	78,000 N	7,200 N	No	BSL
	541-73-1	1,3-DICHLOROBENZENE	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	23000	NA	NA	No	BSL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	27000	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	12000	1,100 C	830 C	No	BSL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	780000	82,000 N	720,000 sat	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	160000	29,000 N	13,000 N	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	NA	12,000 N	2,100 C	No	BSL
	100-41-4	ETHYLBENZENE	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	1600000 [9]	63,000 N[10]	70,000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	340,000 N	NA	No	BSL
	91-20-3	NAPHTHALENE	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	1600000 [9]	380,000 N	NA	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	1200	550 C	10,000 C	No	BSL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	1600000 [9]	63,000 N	70,000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	79,000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	61,000 N	120 N	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	24,000,000 N	NA	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	610,000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	260,000 C	NA	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	3,100,000 N	NA	No	BSL
	86-74-8	CARBAZOLE	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	780000	610,000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	2300000	1,800,000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	470000	340,000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	2300000	1,700,000 N	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[21]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**22**	**15 C**	NA	**Yes**	ASL

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons (continued)**													
	--	**BAP EQUIVALENT-1/2 NONDETECT[21]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**220**	**150 C**	NA	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**220 [19]**	**150 C[19]**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	230000	170,000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**2200**	**1,500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	**22000**	**15,000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	310000	230,000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	NAPHTHALENE	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	160000	3,600 C	17,000 N	No	BSL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	2700	2,000 C	NA	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	1900	1,400 C	NA	No	BSL
	53469-21-9	AROCLOR-1242	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	320	220 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	12 J	36000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	350	270 C	6,000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	**3.1**	**3.1 N**	NA	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	16	16 N	1380 C	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	**3.9**	**7 N**	1840 C	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1,370	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**39 N**	NA	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	**160**	**150 N**	NA	**Yes**	ASL
	7782-49-2	SELENIUM	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	--	**DIESEL RANGE ORGANICS**	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	28,400,000 N[20]	NA	No	BSL
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	28,400,000 N[20]	NA	No	BSL

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Miscellaneous Parameters**													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
20 - The value for total petroleum hydrocarbons (aliphatic low) is used.
21 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	**1,1-DICHLOROETHANE**	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	5100	**0.69**	**Yes**	ASL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	4600	**360**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	29000	1,500	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	22000	4,500	No	BSL
	71-43-2	**BENZENE**	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	1.9	**0.21**	**Yes**	ASL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	19000	310	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	680	62	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	930	49	No	BSL
	100-41-4	**ETHYLBENZENE**	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	64000	1,100	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	3000 [7]	200 [8]	No	BSL
	75-09-2	**METHYLENE CHLORIDE**	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	3000 [7]	1,200	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	27000	1,600	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	3000 [7]	200	No	BSL
	79-01-6	**TRICHLOROETHENE**	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	830	No	BSL
	Semivolatile Organic Compounds												
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	150	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	34,000	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	890	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	2900000	1,100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	510	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	4,500	No	BSL
	86-74-8	**CARBAZOLE**	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	5000000	9,200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	--	**680**	**Yes**	ASL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	67000	6,300	No	BSL

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**												
	90-12-0	**1-METHYLNAPHTHALENE**	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	4400	**750**	**Yes**	ASL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	100000	22,000	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	100000	22,000 [9]	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	470000	360,000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[15]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[15]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**1500**	**35**	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**1500** [14]	**35** [14]	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	680000	120,000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	48000	**1,100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	6300000	160,000	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	140000	27,000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	11000	66	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	35000	47	No	BSL
	53469-21-9	**AROCLOR-1242**	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	--	**5.3**	**Yes**	ASL
	11097-69-1	**AROCLOR-1254**	12 J	36,000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	--	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	**3.1**	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**410** [11]	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	1200	58	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	27	**1.4**	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	--	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	--	**14** [13]	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1370	**950**	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	--	NA	No	NTX
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**3.7**	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	--	**48**	**Yes**	ASL

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7782-49-2	**SELENIUM**	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	3.6	NA	No	BSL
	7440-62-2	VANADIUM	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	730	180	No	BSL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	--	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	--	NA	No	NTX
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	NA	No	NTX
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	--	NA	No	NTX
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
15 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**78000**	**6200 N[8]**	**18000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	700000	190,000 N	600000 sat	No	BSL
	107-06-2	1,2-DICHLOROETHANE	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	7000	430 C	360 C	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	78,000 N	7,200 N	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**23000**	NA	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**27000**	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	4700000	2,800,000 N	24000000 sat	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	NA	No	NTX
	67-64-1	ACETONE	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	12000	1,100 C	830 C	No	BSL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	11000	730 N	940 N	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	780000	82,000 N	720,000 sat	No	BSL
	56-23-5	CARBON TETRACHLORIDE	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	4900	610 C	330 C	No	BSL
	108-90-7	CHLOROBENZENE	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	160000	29,000 N	13,000 N	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	78000	16000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	1600000 [9]	63,000 N[10]	70000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.4 J	4800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	85000	11,000 C	13000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	340,000 N	NA	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	1600000 [9]	380,000 N	NA	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	1200	550 C	10000 C	No	BSL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	630000	500000 N	650000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	1600000 [9]	63000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	1600	2800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	79,000 N	110000 N	No	BSL
	75-01-4	VINYL CHLORIDE	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	90	60 C	280 C	No	BSL
	Semivolatile Organic Compounds													
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	160000	120,000 N	NA	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	24000000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	46000	35000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	260,000 C	NA	No	BSL
	86-74-8	CARBAZOLE	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	780000	610000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	NA	No	NTX
	86-30-6	N-NITROSODIPHENYLAMINE	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	130000	99,000 C	NA	No	BSL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	2300000	1800000 N	NA	No	BSL

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**													
	90-12-0	1-METHYLNAPHTHALENE	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	31000	31000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	470000	340000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	470000	340000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	2300000	1700000	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[20]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[20]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**220**	**150 C**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	230000	170000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**2200**	**1500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	**22000**	**15000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	310000	230000 N	NA	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	310000	230000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88,000	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	1900	1,400 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	350	270 C	6000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	ANTIMONY	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	16	16 N	1380 C	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1,010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	2300	2,300 N	NA	No	BSL

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Petroleum Hydrocarbons**													
	--	**DIESEL RANGE ORGANICS**	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	28,400,000 N[19]	NA	No	BSL
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48000	NA	28,400,000 N[19]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for total petroleum hydrocarbons (aliphatic low) is used.
20 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	5100	0.69	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	**4600**	**360**	**Yes**	ASL
	107-06-2	**1,2-DICHLOROETHANE**	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	**1**	**0.042**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	29000	1,500	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	No	NTX
	67-64-1	**ACETONE**	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	22000	**4,500**	**Yes**	ASL
	71-43-2	**BENZENE**	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	**1.9**	**0.21**	**Yes**	ASL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	41	2.2	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	19000	310	No	BSL
	56-23-5	**CARBON TETRACHLORIDE**	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	2.1	**0.17**	**Yes**	ASL
	108-90-7	**CHLOROBENZENE**	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	**680**	**62**	**Yes**	ASL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	NA	21	No	BSL
	100-41-4	**ETHYLBENZENE**	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	64000	1,100	No	BSL
	--	**M+P-XYLENES**	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	3000 [7]	**200** [8]	**Yes**	ASL
	75-09-2	**METHYLENE CHLORIDE**	2.4 J	4,800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	3000 [7]	1,200	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	27000	1600	No	NTX
	1330-20-7	**TOTAL XYLENES**	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	3000 [7]	**200**	**Yes**	ASL
	79-01-6	**TRICHLOROETHENE**	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	830	No	NTX
	75-01-4	**VINYL CHLORIDE**	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	**0.12**	**0.0056**	**Yes**	ASL
	Semivolatile Organic Compounds												
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	6700	860	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	34000	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	2900000	1100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	510	No	BSL
	86-74-8	**CARBAZOLE**	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	5000000	9200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	NA	**680**	**Yes**	ASL

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Semivolatile Organic Compounds (continued)**												
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	No	NTX
	86-30-6	**N-NITROSODIPHENYLAMINE**	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	760	**75**	**Yes**	ASL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	67000	6300	No	BSL
	Polycyclic Aromatic Hydrocarbons												
	90-12-0	**1-METHYLNAPHTHALENE**	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	**4400**	**750**	**Yes**	ASL
	83-32-9	**ACENAPHTHENE**	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	100000	**22000**	**Yes**	ASL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	100000	22000 [9]	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	470000	360000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[14]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[14]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**1500**	**35**	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	680000	120000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	48000	**1100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	6300000	160000	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	140000	27000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88000	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	35000	47	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	NA	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	3.1	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**410 [11]**	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	1200	58	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	27	1.4	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	NA	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	NA	**14 [13]**	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	950	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	NA	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	3.7	No	BSL

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7440-02-0	**NICKEL**	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	NA	**48**	**Yes**	ASL
	7782-49-2	**SELENIUM**	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	3.6	NA	No	BSL
	7440-62-2	VANADIUM	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	730	180	No	BSL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	NA	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	NA	NA	No	NTX
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	NA	No	NTX
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48,000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	NA	NA	No	NTX
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-21

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Deep Subsurface Soil (Greater than 10 Feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	71-55-6	1,1,1-TRICHLOROETHANE	1.3 J	1.3 J	ug/kg	OW-6-30	1/67	0.45 - 19	1.3	16000000	870000 N	1200000 sat	No	BSL
	75-34-3	1,1-DICHLOROETHANE	1.3 J	1.6 J	ug/kg	OW-6-20	2/67	0.29 - 15	1.6	1600000	3300 C	120000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	5 J	7.4	ug/kg	OW-6-30	2/67	0.41 - 16	7.4	390000	24,000 N	29,000 N	No	BSL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.16 J	3.2 J	ug/kg	D-SB-786-13	2/51	0.12 - 6.2	3.2	NA	NA	NA	No	NTX
	78-93-3	2-BUTANONE	1.3 J	27	ug/kg	MRC-MW95D-SO-214	9/67	1.1 - 120	27	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.8 J	230	ug/kg	D-SB-788-15	7/67	5.1 - 350	230	7000000	6100000 N	NA	No	BSL
	71-43-2	BENZENE	0.29 J	20 J	ug/kg	D-SB-786-13	5/67	0.18 - 6.2	20	12000	1,100 C	830 C	No	BSL
	74-87-3	CHLOROMETHANE	0.7 J	0.7 J	ug/kg	D-SB-785-13	1/67	0.33 - 13	0.7	NA	12,000 N	2100 C	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.87 J	4.1 J	ug/kg	OW-6-20	3/67	0.29 - 6.2	4.1	78000	16,000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.35 J	9.2 J	ug/kg	D-SB-786-13	3/67	0.21 - 6.2	9.2	780000	5,400 C	400,000 sat	No	BSL
	TTNUS054	M+P-XYLENES	12 J	20 J	ug/kg	D-SB-786-13	2/67	0.96 - 13	20	1600000 [8]	63,000 N[9]	70,000 N[9]	No	BSL
	75-09-2	METHYLENE CHLORIDE	8 J	77 J	ug/kg	D-SB-786-13	9/67	0.53 - 16	77	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.35 J	0.35 J	ug/kg	MRC-MW95D-SO-214	1/67	0.18 - 7.1	0.35	NA	NA	NA	No	NTX
	91-20-3	NAPHTHALENE	47	530	ug/kg	D-SB-786-13	3/67	0.15 - 6.2	530	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.57 J	12 J	ug/kg	D-SB-786-13	4/67	0.28 - 6.2	12	1600000 [8]	380,000 N	NA	No	BSL
	100-42-5	STYRENE	0.16 J	0.16 J	ug/kg	D-SB-791-13	1/67	0.12 - 6.2	0.16	1600000	630,000 N	1500000 sat	No	BSL
	994-05-8	TERT-AMYL METHYL ETHER	0.96 J	0.96 J	ug/kg	D-SB-793-13	1/51	0.26 - 6.2	0.96	NA	NA	NA	No	NTX
	108-88-3	TOLUENE	0.28 J	31 J	ug/kg	D-SB-786-13	6/67	0.22 - 6.2	31	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1 J	32 J	ug/kg	D-SB-786-13	4/51	0.53 - 12	32	1600000 [8]	63,000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	4 J	64	ug/kg	OW-6-30	4/67	0.33 - 8.7	64	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.35 J	0.35 J	ug/kg	D-SB-793-11	1/67	0.27 - 14	0.35	NA	79000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	23 J	140	ug/kg	D-SB-790-13	6/62	21 - 4200	140	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	22 J	29 J	ug/kg	D-SB-789-13	3/62	11 - 4200	29	NA	260,000 C	NA	No	BSL
	108-95-2	PHENOL	520	980 J	ug/kg	SB-86-12	6/62	30 - 4200	980	2300000	1800000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	7.9	190	ug/kg	D-SB-772-15	18/89	3.7 - 15	190	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.5	390	ug/kg	D-SB-772-15	18/151	3.7 - 4200	390	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	10	900	ug/kg	D-SB-772-15	22/151	3.7 - 4200	900	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	8	2700	ug/kg	D-SB-778-13	31/151	3.7 - 4200	2,700	470000	340000 N[10]	NA	No	BSL
	120-12-7	ANTHRACENE	9.1	1600	ug/kg	D-SB-772-15	37/151	3.7 - 4200	1,600	2300000	1700000 N	NA	No	BSL
	CALC049	**BAP EQUIVALENT-POSITIVE RESULTS[18]**	0.5	35343	ug/kg	G-SB-761-11	257/513	1.5-440	35,343	**22**	**15 C**	NA	Yes	ASL
	CALC055	**BAP EQUIVALENT-1/2 NONDETECT[18]**	2.6	35343	ug/kg	G-SB-761-11	257/513	1.5-440	35,343	**22**	**15 C**	NA	Yes	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.9 J	30000	ug/kg	G-SB-761-11	238/513	1.1 - 4200	30,000	**220**	**150 C**	NA	Yes	ASL
	50-32-8	**BENZO(A)PYRENE**	5.15	24000	ug/kg	G-SB-761-11	242/513	1.5 - 440	24,000	**22**	**15 C**	NA	Yes	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	2.1 J	27000	ug/kg	G-SB-761-11	248/511	1.3 - 4200	27,000	**220**	**150 C**	NA	Yes	ASL
	TTNUS140	BENZO(B+K)FLUORANTHENE	74 J	74 J	ug/kg	SB-86-12	1/2	390-390	74	220 [16]	150 [16]	NA	No	BSL
	191-24-2	BENZO(G,H,I)PERYLENE	9	3800	ug/kg	D-SB-778-13	46/151	3.7 - 4200	3800	230000	170,000 N[11]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	6.8 J	11000	ug/kg	G-SB-761-11	204/511	1.6 - 4200	11,000	**2200**	**1,500 C**	NA	Yes	ASL
	218-01-9	**CHRYSENE**	2 J	33000	ug/kg	G-SB-761-11	237/513	1 - 440	33,000	**22000**	**15000 C**	NA	Yes	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	4.725	4300	ug/kg	G-SB-761-11	96/513	1.4 - 4200	4300	**22**	**15 C**	NA	Yes	ASL
	206-44-0	FLUORANTHENE	8.4	7100	ug/kg	D-SB-772-15	60/151	3.7 - 440	7,100	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.7	950	ug/kg	D-SB-772-15	22/151	3.7 - 4200	950	310000	230,000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	1.4 J	12000	ug/kg	G-SB-761-11	220/513	0.43 - 4200	12,000	**220**	**150 C**	NA	Yes	ASL
	91-20-3	NAPHTHALENE	10	990	ug/kg	D-SB-772-15	20/151	3.7 - 4200	990	160000	3600 C	17000 N	No	BSL
	85-01-8	PHENANTHRENE	8.3	5600	ug/kg	D-SB-772-15	42/151	3.7 - 4200	5,600	2300000	170,000 N[11]	NA	No	BSL
	129-00-0	PYRENE	12	5200	ug/kg	G-SB-813-15, D-SB-772-15	61/151	3.7 - 440	5,200	230000	170,000 N	NA	No	BSL

Table 3-21

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Deep Subsurface Soil (Greater than 10 Feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Pesticides/Polychlorinated Biphenyls**													
	11096-82-5	**AROCLOR-1260**	26 J	61000	ug/kg	E-SB-833-11	23/170	19 - 330	61000	**320**	**220 C**	NA	Yes	ASL
	Metals													
	7440-36-0	ANTIMONY	0.051 J	0.83 J	mg/kg	D-SB-792-13	27/59	0.027 - 2.9	0.83	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.19 L	8.2 L	mg/kg	D-SB-791-15	63/72	0.51 - 2	8.2	**0.43**	**0.39 C**	769 C	Yes	ASL
	7440-39-3	BARIUM	4.4 J	25.2	mg/kg	D-SB-788-11	51/51	--	25.2	1600	1500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.3 J	10.5	mg/kg	D-SB-789-13	49/67	0.057 - 3.1	10.5	16	16 N	1,380 C	No	BSL
	7440-43-9	CADMIUM	0.023 J	0.12	mg/kg	OW-6-20, D-SB-785-13	16/67	0.0081 - 3.1	0.12	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	2.1 J	56.1	mg/kg	D-SB-791-15	64/67	2.8 - 3	56.1	12000 [12]	12000 N[12]	276 C	No	BSL
	7440-48-4	**COBALT**	1.5	21.3	mg/kg	D-SB-789-13	51/51	--	21.3	NA	**2.3 N**	1,180 C	Yes	ASL
	7440-50-8	COPPER	3	56.2	mg/kg	D-SB-785-13	66/67	2.8	56.2	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	462 J	134000	mg/kg	D-SB-792-13	50/50	--	134000	**5500**	**5500 N**	NA	Yes	ASL
	7439-92-1	LEAD	1.3	20 J	mg/kg	SB-58-15	59/67	2.6 - 3	20	400	400	NA	No	BSL
	7439-96-5	**MANGANESE**	1.6	341	mg/kg	D-SB-789-13	50/50	--	341	**160**	**180 N**	7090 N	Yes	ASL
	7439-97-6	MERCURY	0.059 J	0.059 J	mg/kg	D-SB-785-13	1/67	0.002 - 0.12	0.059	2.3 [13]	2.3 N[14]	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.078 J	1.5	mg/kg	D-SB-791-15, D-SB-792-13	38/51	0.072 - 0.6	1.5	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	2.5 J	54.1	mg/kg	D-SB-789-13	64/67	2.6 - 3	54.1	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.22 L	5	mg/kg	SB-248-15	49/67	0.19 - 3.1	5	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.026 J	0.1 K	mg/kg	SB-503-1012	10/52	0.018 - 2.8	0.1	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.031	0.15 J	mg/kg	D-SB-788-11	26/67	0.041 - 2.4	0.15	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	1.6	111	mg/kg	D-SB-792-13	51/51	--	111	**7.8**	**39 N[15]**	NA	Yes	ASL
	7440-66-6	ZINC	3.4 J	114	mg/kg	D-SB-785-13	55/67	26 - 30	114	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	TTNUS004	DIESEL RANGE ORGANICS	3400 J	17,000	ug/kg	D-SB-785-13	17/62	3100 - 13000	17,000	230000	NA	NA	No	BSL
	TTNUS005	GASOLINE RANGE ORGANICS	79 J	79 J	ug/kg	D-SB-786-13	1/62	52 - 130	79	230000	NA	NA	No	BSL
	TTNUS827	TPH (C10-C32)	1100 J	1100 J	ug/kg	SB-503-1012	1/1	--	1100	NA	28,400,000 N[17]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.31 J	0.88 J	mg/kg	D-SB-785-11	19/46	0.3 - 0.35	0.88	23	**0.29 C**	276 C	Yes	ASL
	TTNUS291	PERCENT SOLIDS	80.5	89	%	SB-555A-12	9/9	--	89	NA	NA	NA	No	NTX
	TTNUS003	TOTAL ORGANIC CARBON	319 J	1320	mg/kg	MRC-MW12[1213]	2/2	--	1,320	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - The value is for xylenes.
9 - The value is for xylene, mixture.
10 - The value for acenaphthene is used as a surrogate for acenaphthylene.
11 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
12 - The value is for trivalent chromium.
13 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
17 - The value for total petroleum hydrocarbons (aliphatic low) is used.
18 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All deep subsurface soil (greater than 10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-11 through 3-15 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria
NUT = Essential nutrient

Table 3-22

Chemicals Retained as Global Chemicals of Potential Concern - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Surface Soil (0-2 feet)			Subsurface Soil (2-10 feet)		
	Direct Contact	Soil to Air	Soil to Groundwater	Direct Contact	Soil to Air	Soil to Groundwater
Volatile Organic Compounds						
1,2,3-Trichlorobenzene	X		X	X		X
1,2,4-Trichlorobenzene	X	X	X	X	X	X
1,2,4-Trimethylbenzene			X			X
1,1-Dichloroethane			X			
1,2-Dichlorobenzene			X			X
1,2-Dichloroethane						X
1,3-Dichlorobenzene			X	X		X
1,4-Dichlorobenzene	X		X	X		X
Acetone						X
Benzene			X			X
Carbon Tetrachloride						X
Chlorobenzene						X
Ethylbenzene			X			X
m+p-Xylenes						X
Methylene Chloride			X			X
Naphthalene			X	X	X	X
Tetrachloroethene			X			X
Total Xylenes						X
Trichloroethene			X			X
Vinyl Chloride						X
Semivolatile Organic Compounds						
1-Methylnaphthalene			X			X
2-Methylnaphthalene			X			X
Acenaphthene						X
Benzo(a)pyrene Equivalents[(1)]	X		X	X		X
Benzo(a)anthracene	X		X	X		X
Benzo(a)pyrene	X		X	X		X
Benzo(b)fluoranthene	X		X	X		X
Benzo(b+k)fluoranthene	X		X			
Benzo(k)fluoranthene	X		X	X		X
Carbazole			X			X
Chrysene	X		X	X		X
Dibenzo(a,h)anthracene	X		X	X		X
Dibenzofuran			X			X
Indeno(1,2,3-cd)pyrene	X		X	X		X

Table 3-22

Chemicals Retained as Global Chemicals of Potential Concern - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Surface Soil (0-2 feet)			Subsurface Soil (2-10 feet)		
	Direct Contact	Soil to Air	Soil to Groundwater	Direct Contact	Soil to Air	Soil to Groundwater
N-nitrosodiphenylamine						X
Naphthalene			X	X	X	X
Pesticides/PCBs						
Aroclor-1242			X			
Aroclor-1254	X		X	X		X
Aroclor-1260	X		X	X		X
Beta-BHC			X			X
Total Aroclor	X		X	X		X
Inorganics						
Antimony	X		X			X
Arsenic	X		X	X		X
Cadmium	X		X			
Cobalt	X		X	X		X
Copper			X			X
Iron	X		X	X		X
Lead	X		X	X		X
Manganese	X		X	X		X
Mercury	X			X		
Molybdenum	X		X			
Nickel	X		X			X
Selenium			X			X
Silver			X			X
Vanadium	X			X		
Petroleum Hydrocarbons						
Diesel Range Organics	X			X		
Gasoline Range Organics	X			X		
Miscellaneous Parameters						
Hexavalent Chromium	X		X	X		X

Notes
X - Chemical was retained as a global COPC.
1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 3-23

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 1 of 2

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Surface Soil	Surface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with surface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Industrial workers may contact surface soil during normal work activities.
				Commercial Receptors	Child	Ingestion Dermal	Quant Quant	Child commercial receptors may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent commercial receptors may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult commercial receptors may contact surface soil while at the site.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Child recreational users may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent recreational users may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult recreational users may contact surface soil while at the site.
		Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Industrial workers may be exposed to fugitive dust and volatile emissions during work activities.
				Commercial Receptors	Child	Inhalation	Quant	Child commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
				Recreational Users	Child	Inhalation	Quant	Child recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult recreational users may be exposed to fugitive dust and volatile emissions while at the site.
	Subsurface Soil	Subsurface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with subsurface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				commercial Land use Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.

Table 3-23

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 2

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Subsurface Soil	Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Commercial Receptors	Child	Inhalation	Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Inhalation	Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
Future	Surface Soil	Surface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	
					Adult	Inhalation	Quant	
	Subsurface Soil	Subsurface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site. this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	
					Adult	Inhalation	Quant	

Notes:
Quant - Quantitative.

Table 3-24

Receptors and Exposure Routes for Quantitative Evaluation - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Receptors	Exposure Routes
Construction Workers (current/future land use)	• Soil incidental ingestion (surface/subsurface) • Soil dermal contact (surface/subsurface) • Inhalation of air/dust/emissions
Industrial Worker (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Commercial Receptors (child, adolescent, and adults) (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Recreational Users (child, adolescent, and adults) (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Hypothetical Residents (child, adolescent, and adults) (future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])

1 – These receptors are not expected to be exposed to subsurface soil, but exposure to subsurface is evaluated to aid in risk management decisions.

Table 3-25

Exposure Point Concentrations - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical	Block D		Block E		Block F		Block G		Block H	
	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)
Volatile Organic Compounds										
1,2,3-TRICHLOROBENZENE	NA	NA	16.3	165	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	77.7	724	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	4.2	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	0.23	10.4	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	4(1)	NA	0.025	NA	159(1)	NA	0.063	NA	0.025
Polycyclic Aromatic Hydrocarbons										
BENZO(A)PYRENE EQUIVALENTS(4)	3.8	0.65	1.5	1.7	6.1	0.22	3.7	1.3	11.8	0.25
NAPHTHALENE	NA	0.068	NA	0.072	NA	31(1)	NA	0.037	NA	0.15
Pesticides/Polychlorinated Biphenyls										
AROCLOR-1254	NA	NA	36(1)	9.8(1)	0.096(1)	NA	0.012(1)	NA	NA	NA
AROCLOR-1260	0.02(1)	0.24(1)	108	709	0.16	0.017	0.26	0.014(1)	NA	NA
Metals										
ANTIMONY	0.48	NA	0.37	NA	1.4	NA	1.7	NA	0.82	NA
ARSENIC	3.5	4.6	2.2	1.5	3.1	2.4	7.9	3.6	3.5	3.6
CADMIUM	0.15	NA	2.7	NA	1.2	NA	14(1)	NA	0.2	NA
COBALT	10.7	11.7	11.6	4.0	7	18.7	41.2	31.0	9.3	12.9
IRON	16300	30900	17200	17100	NA	NA	NA	17200(1)	NA	NA
LEAD(2)	20.6	22.9	21.6	3.6	58.9	10.4	68.3	8.4	6.8	7.2
MANGANESE	89.9	67.6	174	93.9	NA	NA	NA	123(1)	NA	NA
MERCURY	0.25	0.18	0.12	0.29(1)	0.87	0.27	1.8	0.014	0.19	0.031
MOLYBDENUM	0.45	NA	0.83	NA	63(1)	NA	NA	NA	0.45	NA
NICKEL	14.6	NA	10.9	NA	12.4	NA	161	NA	10.9	NA
VANADIUM	25.6	42.2	24.0	13.8	35	39.9	31.5	46.3	27.2	38.1
Petroleum Hydrocarbons										
DIESEL RANGE ORGANICS	550	40.3	2340	2010	91.8	522	77.4	21.7	242(1)	130
GASOLINE RANGE ORGANICS	0.81	0.25(1)	0.48	81.1	1.2(1)	21.2(1)	131	131	12(1)	2.6
Miscellaneous Parameters										
HEXAVALENT CHROMIUM(3)	0.87	1.4	1.3	0.49	2.7	0.98	1.3	1.1	1.1	1.8

Notes:
EPCs are the 95% UCLs recommended by ProUCL 4.00.05 unless otherwise noted.
NA - Not applicable, chemical is not a COPC for this medium.
RAGS Part D tables for the EPCs are included in Appendix D.
(1) There are less than three detected concentrations or less than five samples - reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Acronym
COPC = Chemical of Potential Concern
EPC = Exposure Point Concentration
UCL = Upper Confidence Limit

Table 3-26

Summary of Exposure Input Parameters for Reasonable Maximum Exposure (RME) - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Parameter	Construction Worker	Industrial Worker	Commercial Receptors			Recreational Users			Future On-Property Resident		
			Child	Adolescent	Adult	Child	Adolescent	Adult	Child	Adolescent	Adult
All Exposures											
C_{soil} (mg/kg)	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]
ED (years)	1[2]	25[3]	6[4]	12[4]	25[4]	6[5]	12[5]	12[5]	6[4]	12[4]	12[4]
BW (kg)	70[6]	70[6]	15[4]	40[4]	70[4]	15[5]	40[5]	70[5]	15[6]	40[6]	70[6]
AT_n (days)	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]
AT_c (days)	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]
Incidental Ingestion/Dermal Contact with Soil											
IR (mg/day)	480[4]	50[4]	200[4]	100[4]	50[4]	200[5]	100[5]	100[5]	200[7]	100[7]	100[7]
EF-Soil (days/year)	250[2]	250[3]	132[4]	132[4]	250[4]	250[4][8]	250[4][8]	250[4][8]	350[9]	350[9]	350[9]
FI (unitless)	1[2]	1[3]	1[4]	1[4]	1[4]	1[5]	1[5]	1[5]	1[7]	1[7]	1[7]
SA (cm^2)	3280[4]	3300[9]	2350[4]	4320[4]	3300[4]	2800[5]	4320[5]	5700[5]	2800[9]	4320[4]	5700[9]
AF (mg/cm^2-event)	0.3[4]	0.2[9]	0.2[4]	0.2[4]	0.2[4]	0.2[5]	0.07[5]	0.07[5]	0.2[9]	0.07[9]	0.07[9]
EV (events/day)	1[9]	1[9]	1[4]	1[4]	1[4]	1[9]	1[9]	1[9]	1[9]	1[9]	1[9]
ABS (unitless)	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific
CF (kg/mg)	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06
Inhalation Fugitive Dust/Volatile Emissions from Soil											
C_{air} (mg/m^3)	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
ET (hours/day)	8[2]	8[2]	4[4]	4[4]	8[4]	8[8]	8[8]	8[8]	24[7]	24[7]	24[7]
PEF (m^3/kg)	1.43E+06[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]

Notes:

ABS Absorption factor
AF Soil-to-skin adherence factor
AT_c Averaging time for carcinogenic effects
AT_n Averaging time for noncarcinogenic effects
BW Body weight
CF Conversion factor
$C_{soil/air}$ Exposure concentration for soil/sediment/groundwater/air
ED Exposure duration
EF Exposure frequency
ET Exposure time
EV Event frequency
FI Fraction ingested from contaminated source
IR Ingestion rate
PEF Particulate Emission Factor
SA Skin surface area available for contact
VF Volatization Factor

1 - USEPA, 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 92
2 - Professional Judgment (see text).
3 - USEPA, 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.
4 - MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.
5 - Assumed same as resident.
6 - USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.
7 - USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.
8 - Recreational users' exposure frequency and time on site are assumed at 250 days per year and 8 hours per day.
9 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.
10 - USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Table 3-27

Dermal Absorption Fraction - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Dermal Absorption Fraction
Volatile Organic Compounds	
1,2,3-Trichlorobenzene	0.03
1,2,4-Trichlorobenzene	0.03
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.03
Naphthalene	0.13
Polycyclic Aromatic Hydrocarbons	
Benzo(a)pyrene Equivalents(1)	0.13
Benzo(a)anthracene	0.13
Benzo(a)pyrene	0.13
Benzo(b)fluoranthene	0.13
Benzo(k)fluoranthene	0.13
Chrysene	0.13
Dibenzo(a,h)anthracene	0.13
Indeno(1,2,3-cd)pyrene	0.13
Naphthalene	0.13
Pesticides/PCBs	
Aroclor-1254	0.14
Aroclor-1260	0.14
Inorganics	
Antimony	0.01
Arsenic	0.03
Cadmium	0.001
Cobalt	0.01
Iron	0.01
Manganese	0.01
Lead	NA
Mercury	0.01
Molybdenum	0.01
Nickel	0.01
Vanadium	0.01
Petroleum Hydrocarbons	
Diesel Range Organics	NA
Gasoline Range Organics	NA
Miscellaneous Parameters	
Hexavalent Chromium	0.01

Notes:
All values from EPA's Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment) Final, July 2004.

1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

NA = Not available.

Table 3-28

Chemical Properties for Volatilization from Soil to Outdoor Air Models - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical	Organic Carbon Partition Coefficient (cm^3/g)	Air Diffusivity (cm^2/sec)	Water Diffusivity (cm^2/sec)	Solubility Limit (mg/L)	Henry's Law Constant (Dimensionless)
1,2,4-Trichlorobenzene	1.36E+03	4.00E-02	8.40E-06	4.90E+01	5.80E-02
1,2,3-Trichlorobenzene	1.38E+03	4.00E-02	8.40E-06	1.80E+01	5.13E-02
1,3-Dichlorobenzene	7.21E+02	NV	NV	1.33E+02	1.27E-01
1,4-Dichlorobenzene	3.75E+02	5.50E-02	8.70E-06	8.13E+01	9.90E-02
Naphthalene	1.54E+03	6.00E-02	8.40E-06	3.10E+01	1.80E-02

Source:
USEPA 2010: USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
NV = No value.

Table 3-29

Input Parameters for Calculation of the Volatilization from Soil to Outdoor Air Models - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Definition	Value	Reference
Q/C	Inverse of mean concentration at center of source (g/m^2-s per kg/m^3).	Receptor specific(1)	USEPA, 20010a
T	Exposure interval (seconds).	Receptor specific(2)	USEPA, 2002
pb	Dry soil bulk density (g/cm^3).	1.5	USEPA, 2002
ps	Soil particle density (g/cm^3).	2.65	USEPA, 2002
θw	Water-filled soil porosity (L_{pore}/L_{soil}).	0.15	USEPA, 2002
n	Total soil porosity (L_{pore}/L_{soil}).	0.434	USEPA, 2002
Di	Diffusivity in air (cm^2/sec).	Chemical specific(3)	USEPA, 2010b
H'	Dimensionless Henry's Law Constant.	Chemical specific(3)	USEPA, 2010b
S	Solubility limit (mg/L)	Chemical specific(3)	USEPA, 2010b
Dw	Diffusivity in water (cm^2/sec).	Chemical specific(3)	USEPA, 2010b
Koc	Soil organic carbon partition coefficient (cm^3/g).	Chemical specific(3)	USEPA, 2010b
foc	Fraction organic carbon in soil (g/g).	0.006	USEPA, 2002

Notes:
1 - Value is 14.31 for construction workers and 87.36898 for all other receptors evaluated.
2 - Value is 3.2E+07 for construction workers and 9.5E+08 for all other receptors evaluated.
3 - Chemical-specific values are presented in Table 3-28.
USEPA 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.
USEPA, 2010a: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm.
Site-specific values for Philadelphia, Pennsylvania.
USEPA 2010b: USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.

Table 3-30

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal[1]	Absorbed RfD for Dermal[2]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds										
1,2,3-Trichlorobenzene	Subchronic	8.00E-03	mg/kg/day	1	8.0E-03	mg/kg/day	Body Weight	1000/1	PPRTV	9/11/2009
	Chronic	8.0E-04	mg/kg/day	1	8.0E-04	mg/kg/day	Adrenals	NA	PPRTV	9/11/2009
1,2,4-Trichlorobenzene	Subchronic	9.0E-02	mg/kg/day	1	9.0E-02	mg/kg/day	Liver	100/1	PPRTV	6/16/2009
	Chronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Adrenals	1000/1	IRIS	04/08/2011
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Chronic	7.0E-02	mg/kg/day	1	7.0E-02	mg/kg/day	Liver	NA	ATSDR	07/2006
Polycyclic Aromatic Hydrocarbons										
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	2.0E-02	mg/kg/day	1	2.0E-02	mg/kg/day	Body Weight	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls										
Aroclor-1254	Chronic	2.0E-05	mg/kg/day	1	2.0E-05	mg/kg/day	Autoimmune	300/1	IRIS	04/08/2011
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals										
Antimony	Subchronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	PPRTV	7/29/2008
	Chronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	IRIS	04/08/2011
Arsenic	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Skin, CVS	3/1	IRIS	04/08/2011
Cadmium[3]	Chronic	1.0E-03	mg/kg/day	0.03	2.5E-05	mg/kg/day	Kidney	10/1	IRIS	04/08/2011
Cobalt	Subchronic	3.0E-03	mg/kg/day	1	3.0E-03	mg/kg/day	Thyroid	300/1	PPRTV	8/25/208
	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Blood	NA	PPRTV	8/25/2008
Iron	Subchronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
	Chronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese[4]	Chronic	1.4E-01	mg/kg/day	1.00	1.4E-01	mg/kg/day	CNS	1	IRIS	04/08/2011
Mercury[5]	Chronic	3.0E-04	mg/kg/day	0.07	2.1E-05	mg/kg/day	Autoimmune	1000/1	IRIS	04/08/2011
Molybdenum	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Gout	30/1	IRIS	04/08/2011
Nickel	Chronic	2.0E-02	mg/kg/day	0.04	8.0E-04	mg/kg/day	Body Weight	300/1	IRIS	04/08/2011
Vanadium	Subchronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Kidney	10	ATSDR	9/2009
	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Kidney	300	RSL	11/2010
Petroleum Hydrocarbons										
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
Hexavalent Chromium	Chronic	3.0E-03	mg/kg/day	0.025	7.5E-05	mg/kg/day	None Reported	300/3	IRIS	04/08/2011

Table 3-30

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - U.S. EPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted dermal RfD = Oral RfD x Oral Absorption Efficiency for Dermal.
3 - Values are for cadmium - diet.
4 - Values are for manganese - diet.
5 - Values are for mercuric chloride.

Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry
CNS = Central Nervous System.
CVS = Cardiovascular system.
GS = Gastrointestinal.
IRIS = Integrated Risk Information System.
NA = Not available.
RSL = USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 3-31

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 1 of 2

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[1]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds									
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	Subchronic	2.0E-02	mg/m^3	5.7E-03	(mg/kg/day)	Urinary Tract	NA	PPRTV	6/17/2009
	Chronic	2.0E-03	mg/m^3	5.7E-04	(mg/kg/day)	Adrenals	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Subchronic	1.2E+00	mg/m^3	3.4E-01	(mg/kg/day)	Liver	NA	ATSDR	07/2006
	Chronic	8.0E-01	mg/m^3	2.3E-01	(mg/kg/day)	Liver	100/1	IRIS	04/08/2011
Polycyclic Aromatic Hydrocarbons									
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	3.0E-03	mg/m^3	8.6E-04	(mg/kg/day)	Respiratory	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	Chronic	1.5E-05	mg/m3	4.3E-06	(mg/kg/day)	NA	NA	Cal EPA	11/2010
Cadmium	Chronic	1.0E-05	mg/m3	2.9E-06	(mg/kg/day)	Kidney	NA	ATSDR	9/2008
Cobalt	Chronic	6.0E-06	mg/m^3	1.7E-06	(mg/kg/day)	Lungs	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	Chronic	5.0E-05	mg/m^3	1.4E-05	(mg/kg/day)	CNS	1000/1	IRIS	04/08/2011
Mercury[2]	Chronic	3.0E-05	mg/m^3	8.6E-06	(mg/kg/day)	Autoimmune	NA	Cal EPA	11/2010
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	Chronic	9.0E-05	mg/m^3	2.6E-05	(mg/kg/day)	Body Weight	NA	ASTDR	9/2005
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-31

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 2

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[(1)]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Petroleum Hydrocarbons									
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters									
Hexavalent Chromium	Chronic	1.0E-04	mg/m^3	2.9E-05	(mg/kg/day)	Lungs	300/1	IRIS	04/08/2011

Notes:
1 - Extrapolated RfD = RfC *$20m^3$/day / 70 kg
2 - Value is for mercuric chloride.
Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry.
Cal EPA = California Environmental Protection Agency.
CNS = Central Nervous System.
IRIS = Integrated Risk Information System.
NA = Not available.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 3-32

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 1 of 2

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds								
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	2.9E-02	$(mg/kg/day)^{-1}$	1	2.9E-02	$(mg/kg/day)^{-1}$	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5.4E-03	$(mg/kg/day)^{-1}$	1	5.4E-03	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons								
Benzo(a)anthracene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(a)pyrene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	IRIS	04/08/2011
Benzo(b)fluoranthene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(k)fluoranthene[3]	7.3E-02	$(mg/kg/day)^{-1}$	1	7.3E-02	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Chrysene[3]	7.3E-03	$(mg/kg/day)^{-1}$	1	7.3E-03	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Dibenzo(a,h)anthracene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Indeno(1,2,3-cd)pyrene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Naphthalene	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Polychlorinated Biphenyls								
Aroclor-1254	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Aroclor-1260	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Metals								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	1.5E+00	$(mg/kg/day)^{-1}$	1	1.5E+00	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	NA	NA	NA	NA	NA	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons								
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters								
Hexavalent Chromium[3]	5.0E-01	$(mg/kg/day)^{-1}$	0.025	2.0E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	NJ	11/2010

Table 3-32

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted cancer slope factor for dermal = Oral cancer slope factor / Oral Absorption Efficiency for Dermal.
3 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
Cal EPA = California Environmental Protection Agency.
IRIS = Integrated Risk Information System.
NA = Not available.
NJ = New Jersey.
PPRTV = Provisional Peer Reviwed Toxicity Value.
USEPA(1) = OSWER Directive No.9285.7-75.
USEPA(2) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Table 3-33

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds							
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons							
Benzo(a)anthracene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(a)pyrene[2]	1.1E-03	$(ug/m^3)^{-1}$	3.9E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(b)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(k)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Chrysene[2]	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Dibenzo(a,h)anthracene[2]	1.2E-03	$(ug/m^3)^{-1}$	4.2E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Indeno(1,2,3-cd)pyrene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Naphthalene	3.4E-05	$(ug/m3)^{-1}$	1.2E-01	$(mg/kg/day)^{-1}$	C / Possible Human Carcinogen	Cal EPA	11/2010
Polychlorinated Biphenyls							
Aroclor-1254	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Aroclor-1260	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Metals							
Antimony	NA	NA	NA	NA	NA	NA	NA
Arsenic	4.3E-03	$(ug/m^3)^{-1}$	1.5E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	1.8E-03	$(ug/m^3)^{-1}$	6.3E+00	$(mg/kg/day)^{-1}$	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	9.0E-03	$(ug/m^3)^{-1}$	3.2E+01	$(mg/kg/day)^{-1}$	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA
Nickel	2.6E-04	$(ug/m^3)^{-1}$	9.1E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010

Table 3-33

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Metals (Continued)							
Vanadium	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons							
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
Hexavalent Chromium[2]	8.4E-02	$(ug/m^3)^{-1}$	2.9E+02	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011

Notes:

1 - Inhalation CSF = Unit Risk * 70 kg / $20m^3$/day.

2 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Definitions:

Cal EPA = California Environmental Protection Agency.

IRIS = Integrated Risk Information System.

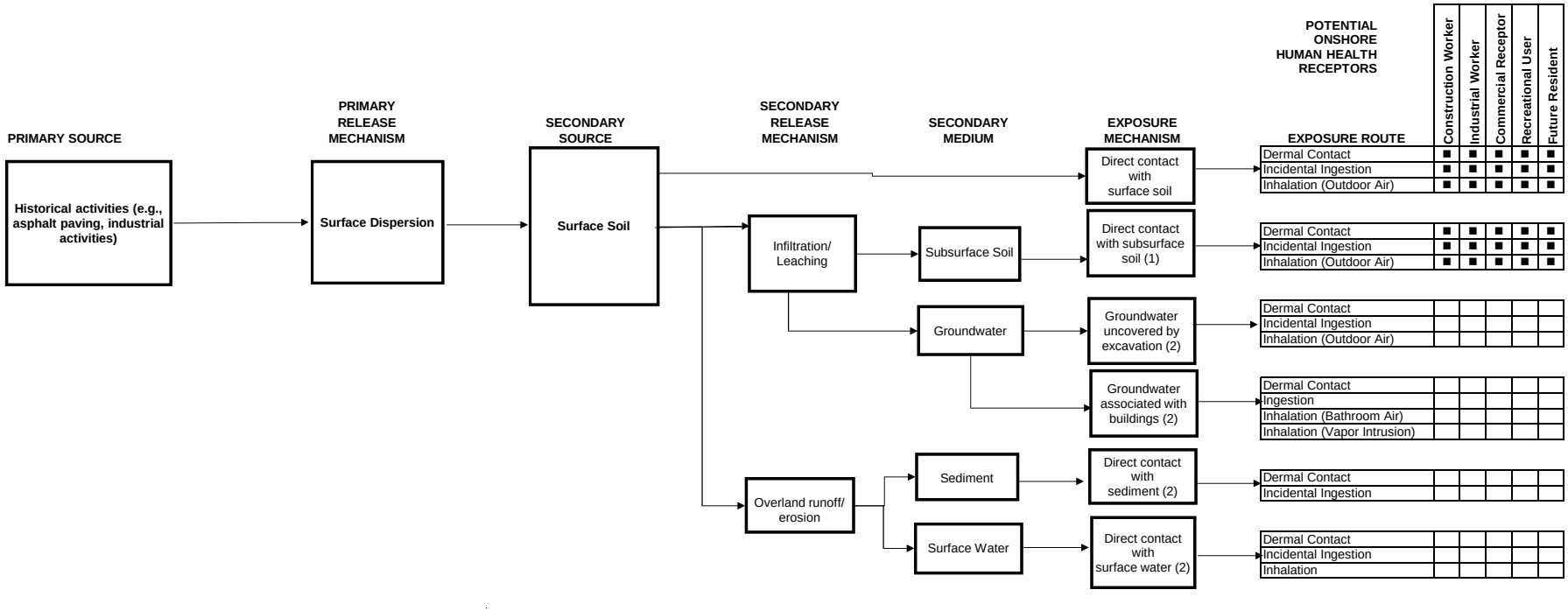
NA = Not available.

PPRTV = Provisional Peer Reviewed Toxicity Value.

USEPA(1) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Figure 3-1

Human Health Conceptual Site Model - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland



■ = POTENTIALLY COMPLETE EXPOSURE PATHWAY

1. Direct contact with subsurface soil (2 to 10 feet below ground surface) is not expected for industrial workers, commercial receptors, recreational users, and hypothetical residents. Direct exposure to subsurface soil would not be likely unless future construction activities brought subsurface soil to the surface. However, this pathway was evaluated to aid in risk-management decisions.
2. Exposure to media other than soils were not addressed for this risk evaluation. Groundwater will be addressed for the Middle River Complex in a Groundwater Response Action Plan provided under a separate cover. Drainage (overland flow) discharges at the Middled River Complex are permitted throught the State of Maryland NPDES.

Section 4
Risk Characterization Results

Section 4 presents risk characterization results for chemicals of potential concern (COPC) detected in soils in each of the tax blocks. Potential risks from direct-contact exposures to soil as well as a refined evaluation of the potential for chemical migration from soils to groundwater are provided. Risk assessment uncertainties common to all tax blocks are discussed in this section on a block-specific basis, as necessary. Risk assessment sample calculations are in Appendix D. The results of the risk assessment of the exposure-point concentration (EPC) for COPC detected in each tax block are summarized in this section and also presented in detail in Appendix D in the U.S. Environmental Protection Agency's (USEPA) *Risk Assessment Guidance for Superfund (RAGS) Part D* format tables. Risk estimates and hazard indices, calculated on a location-specific basis, are in Appendix E.

4.1 RISK CHARACTERIZATION RESULTS: TAX BLOCK D

4.1.1 Noncarcinogenic Risks—RME

Tables 4-1 through 4-3 summarize the chemical concentrations detected in Block D soil samples. Cumulative hazard indices (HIs) for the receptors hypothetically exposed to COPC in surface and subsurface soil in Block D are summarized below. Chemicals contributing to target-organ-specific HIs greater than one are considered chemicals of concern (COC) and are listed by environmental medium in Table 4-4. These COC will be further evaluated in the feasibility study (FS) for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers
Construction worker	Surface soil (SS)	1	SS: No COC(1)
	Subsurface soil (SB)	1	SB: No COC(1)
Industrial/commercial worker	Surface soil	0.05	SS: No COC(1)
	Subsurface soil	0.07	SB: No COC(1)
Child commercial receptor	Surface soil	0.4	SS: No COC(1)
	Subsurface soil	0.5	SB: No COC(1)

Receptor	Environmental medium	Hazard index	Primary risk drivers
Adolescent commercial receptor	Surface soil	0.08	SS: No COC[(1)]
	Subsurface soil	0.1	SB: No COC[(1)]
Child recreational user	Surface soil	0.8	SS: No COC[(1)]
	Subsurface soil	1	SB: No COC[(1)]
Adolescent recreational user	Surface soil	0.1	SS: No COC[(1)]
	Subsurface soil	0.2	SB: No COC[(1)]
Adult recreational user	Surface soil	0.08	SS: No COC[(1)]
	Subsurface soil	0.1	SB: No COC[(1)]
Child resident	Surface soil	1	SS: No COC[(1)]
	Subsurface soil	1	SB: No COC[(1)]
Adolescent resident	Surface soil	0.2	SS: No COC[(1)]
	Subsurface soil	0.3	SB: No COC[(1)]
Adult resident	Surface soil	0.1	SS: No COC[(1)]
	Subsurface soil	0.2	SB: No COC[(1)]

[(1)] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium

Hazard indices calculated on a target-organ-specific basis do not exceed 1 for any of the receptors evaluated. Consequently, adverse non-carcinogenic health effects are not anticipated under the conditions established in the exposure assessment.

Risk estimates calculated on a location-specific basis are in Appendix E. None of the location-specific HIs calculated for the typical industrial worker exposed to COPC in surface soil, shallow subsurface soils, or deeper saturated-zone soils exceed 1. HIs calculated for the hypothetical future resident for samples from five surface soil locations (maximum HI=2.1); 17 shallow subsurface soil locations (maximum HI=2.6), and 13 deeper saturated-zone soil locations (maximum HI=3.8) marginally exceed 1; arsenic, iron, and cobalt are the major contributors to risk. Most of these locations are in the panhandle portion of Block D.

4.1.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block D are summarized in the following table. Chemicals contributing an incremental lifetime-cancer risk (ILCR) greater than 1×10^{-6} are listed in Table 4-4 by environmental medium. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block D COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	3×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	2×10^{-6}	SB: No COC[2]
Industrial/commercial worker	Surface soil	1×10^{-5}	SS: No COC[2]
	Subsurface soil	5×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	*1×10^{-4}*[3]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**2×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*5×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*7×10^{-5}*[3]	SB: BaPEq, As, Cr VI

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq).

[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium.

[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized).

[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded).

Cumulative cancer-risk estimates for the lifelong recreational user and the lifelong resident exposed to EPC for COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer-risk estimates for these receptors and the child/adolescent commercial receptor also exceed MDE's cumulative risk benchmark of 1×10^{-5} for surface and subsurface soil. Cancer risk estimates for the construction worker and the industrial/commercial worker do not exceed either USEPA or MDE cumulative cancer risk benchmarks. The primary risk drivers are the benzo(a)pyrene equivalents (BaPEq), and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Cancer risk estimates calculated on a location-specific basis are in Appendix E. Although location-specific risk estimates for the typical industrial worker exposed to COPC concentrations in surface, shallow subsurface, or deeper saturated-zone soils exceed 1×10^{-5} at a limited number of Block D locations, none of the risk estimates exceed 1×10^{-4}. In contrast, risk estimates for the hypothetical future resident for several locations scattered across Block D exceed 1×10^{-4}, and estimates for four surface and one shallow subsurface-soil locations exceed 1×10^{-3}. None of the future-resident risk estimates for deeper saturated-zone soils exceed 1×10^{-3}. As noted above, BaPEq are the primary risk drivers.

4.1.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum lead concentration in subsurface soils is the only detection (SB-783 [1,010 mg/kg]) in Block D to exceed the COPC screening level. Analytical data for nearby sampling locations are all less than 120 mg/kg and the arithmetic-mean concentrations for Block F surface and subsurface soils samples are less than 50 mg/kg. Therefore, lead concentrations in Block D soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level [(1)]
Surface soil	75 mg/kg	20.6 mg/kg	400 mg/kg
Subsurface soil	1,010 mg/kg	22.9 mg/kg	400 mg/kg

[(1)] COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block D surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected DRO concentrations in the surface soil (1,800 mg/kg; SB-32A) exceed both MDE standards (230 mg/kg and 620 mg/kg, respectively).

4.2 RISK CHARACTERIZATION RESULTS: TAX BLOCK E

4.2.1 Noncarcinogenic Risks—RME

Tables 4-5 through 4-7 summarize chemical concentrations detected in Block E soil samples. Cumulative HIs for the receptors hypothetically exposed to EPC for COPC for surface and subsurface soil in Block E are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-8. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[1]
Construction worker	Surface soil (SS)	**13**[4]	SS: A-1254
	Subsurface soil (SB)	**4**[4]	SB: A-1254
Industrial/commercial worker	Surface soil	**3**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child commercial receptor	Surface soil	**12**[4]	SS: A-1254
	Subsurface soil	**5**[4]	SB: A-1254
Adolescent commercial receptor	Surface soil	**4**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child recreational user	Surface soil	**24**[4]	SS: A-1254
	Subsurface soil	**11**[4]	SB: 123-TCB, 124-TCB, A-1254
Adolescent recreational user	Surface soil	**5**[4]	SS:A-1254
	Subsurface soil	*3*[2]	SB: No COC[3]
Adult recreational user	Surface soil	**3**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child resident	Surface soil	**34**[4]	SS: A-1254
	Subsurface soil	**18**[4]	SB: 123-TCB, 124-TCB, A-1254
Adolescent resident	Surface soil	**7**[4]	SS: A-1254
	Subsurface soil	**7**[4]	SB: 123-TCB, 124-TCB, A-1254
Adult resident	Surface soil	**5**[4]	SS: A-1254
	Subsurface soil	**6**[4]	SB: 124-TCB

[1] Aroclor-1254 (A-1254), 1,2,3-trichlorobenzene (123-TCB), 1,2,4-trichlorobenzene (124-TCB)

[2] The medium-specific hazard index exceeds one, but target-organ-specific hazard indices do not exceed one (HIs are italicized)

[3] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium

[4] The medium-specific hazard index exceeds one and target-organ-specific hazard indices exceed one (HIs are bolded)

Except for the target-organ-specific HIs calculated for industrial workers, adolescent commercial receptors, or adolescent and adult recreational users exposed to subsurface soils, HI calculations based on the EPC for COPC exceed 1 for all receptors evaluated. Consequently, adverse non-carcinogenic health effects would be anticipated for these receptors under the conditions established in the exposure assessment. The primary risk drivers are Aroclor-1254, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. As discussed below, the EPC, and thus the risk estimates, are strongly influenced by the maximum detected concentrations of these COPC in surface and subsurface soils:

COPC	Maximum detected surface soil concentration (mg/kg)	Maximum detected subsurface soil concentration (mg/kg)
Aroclor-1254	36	9.8
1,2,3-trichlorobenzene	43	2,200
1,2,4-trichlorobenzene	210	9,600

Risk estimates calculated on a location-specific basis are in Appendix E. When significant figures are taken into consideration for the estimated HI results, none of the location-specific HIs calculated for the deeper saturated-zone soils exceed unity. However, the HIs calculated for the typical industrial worker and the hypothetical future resident for samples from a single shallow sub-surface soil location (SB-833) exceed 10. Risk drivers for that location are Aroclor-1254, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. No other location-specific risk estimates for the industrial worker exposed to subsurface soils exceed one.

Location-specific risk estimates for eight other locations for the hypothetical future resident exposed to shallow subsurface soils range from 1–10; Aroclor-1254, cobalt, and iron are the primary risk drivers. Location-specific risk estimates for the typical industrial worker for one surface location (SB-353) and for eight surface locations scattered across the block exceed an HI of 10 and 1, respectively. As indicated in the risk estimate figures in Appendix E, risk estimates for the hypothetical future resident for several Block E surface locations exceed 10, one of which (SB-353) had an HI of 330; Aroclor-1254, cobalt, and iron are the primary contributors to the non-cancer risks.

In reviewing the location-specific risk estimates in Appendix E, note that Aroclor-1254 was only actually detected in samples from boring location SB-555 (maximum concentration = 36 mg/kg). Risk estimates for this compound were calculated for other locations assuming that half of the sample quantitation-limit (SQL) reported for this chemical was present at those locations. However, SQLs reported for Aroclor-1254 for several locations are elevated (many exceed 1 mg/kg) because of the Aroclor-1260 detections at these locations. Aroclor-1254 may or may not be at these locations; detection of this compound is potentially “masked” by Aroclor-1260 in these samples.

4.2.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block E are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-8. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block E COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[(1)]
Construction worker	Surface soil (SS)	*3×10^{-5}[(2)]*	SS: A-1254, A-1260
	Subsurface soil (SB)	*1×10^{-4}[(2)]*	SB: A-1254, A-1260
Industrial/commercial worker	Surface soil	**2×10^{-4}[(3)]**	SS: A-1254, A-1260, BaPEq
	Subsurface soil	**7×10^{-4}[(3)]**	SB: A-1254, A-1260, BaPEq, 124-TCB
Child + adolescent commercial receptor	Surface soil	**3×10^{-4}[(3)]**	SS: A-1254, A-1260, BaPEq, As, Cr VI
	Subsurface soil	**1×10^{-3}[(3)]**	SB: A-1254, A-1260, BaPEq, 124-TCB
Lifelong recreational user	Surface soil	**6×10^{-4}[(3)]**	SS: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
	Subsurface soil	**3×10^{-3}[(3)]**	SB: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
Lifelong resident	Surface soil	**8×10^{-4}[(3)]**	SS: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
	Subsurface soil	**4×10^{-3}[(3)]**	SB: A-1254, A-1260, BaPEq, 124-TCB, 14-DCB, As, Cr VI

[(1)] Aroclor-1254 (A-1254), 1,2,4-trichlorobenzene (124-TCB), Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq), 1,4-dichlorobenzene (14-DCB)

[(2)] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[(3)] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Except for the construction worker, cumulative cancer risk estimates for the receptors listed above exceed the USEPA's target cancer risk range. Cumulative cancer risk estimates for the construction worker exceed MDE's cumulative risk benchmark of 1×10^{-5}. The primary risk drivers are the Aroclors (particularly, Aroclor-1260), BaPEq, chlorobenzene compounds, and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated. As discussed below, cancer risk estimates are strongly influenced by the maximum detected concentrations of these COPC in surface and subsurface soils.

Risk estimates calculated on a location-specific basis are in Appendix E. Aroclor-1260 is the predominant risk driver. With three exceptions (SB-503, SB-833, SB-827), cancer risk estimates for the industrial worker exposed to the deeper saturated-zone soils (greater than 10 feet bgs) do not exceed 1×10^{-5}; none of these estimates exceed 1×10^{-4}. Except for samples from locations SB-503 and SB-833, none of the cancer risk estimates for the hypothetical future resident exposed to the deeper saturated-zone soils exceed 1×10^{-4}. However, as detailed in Appendix E, risk estimates for both industrial workers and future residents being exposed at several surface and subsurface (2–10 feet bgs) sampling locations exceed 1×10^{-4}, one of which even exceeds 1×10^{-1} (i.e., a one in 10 probability). Of particular note are the risk estimates for samples associated with boring locations SB-353 and -833, which had the greatest concentrations of Aroclor-1260 in surface and subsurface soil samples, respectively.

4.2.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum lead concentrations in surface and subsurface soils do not exceed the COPC screening level. Therefore, lead concentrations in the Block E soils are not further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening-*level*[(1)]
Surface soil	278 mg/kg	21.6 mg/kg	400 mg/kg
Subsurface soil	14.4 mg/kg	3.6 mg/kg	400 mg/kg

[(1)] COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block E surface and subsurface soil do not exceed residential or non-residential MDE soil-screening levels. However, the maximum detected DRO concentrations in the surface (8,900 mg/kg; SB-833) and subsurface (28,000 mg/kg; SB-833) soils exceed the MDE residential soil-screening level (230 mg/kg) and also exceed the MDE non-residential soil-screening level (620 mg/kg).

4.3 RISK CHARACTERIZATION RESULTS: TAX BLOCK F

4.3.1 Noncarcinogenic Risks—RME

Tables 4-9 through 4-11 summarize the chemical concentrations detected in Block F soil samples. Cumulative HIs for receptors hypothetically exposed to EPC for COPC in surface and

subsurface soil in Block F are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-12. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[1]
Construction worker	Surface soil (SS)	0.5	SS: No COC[3]
	Subsurface soil (SB)	*2*[2]	SB: No COC[3]
Industrial/commercial worker	Surface soil	0.05	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]
Child commercial receptor	Surface soil	0.4	SS: No COC[3]
	Subsurface soil	0.5	SB: No COC[3]
Adolescent commercial receptor	Surface soil	0.08	SS: No COC[3]
	Subsurface soil	0.1	SB: No COC[3]
Child recreational user	Surface soil	0.7	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adolescent recreational user	Surface soil	0.1	SS: No COC[3]
	Subsurface soil	0.4	SB: No COC[3]
Adult recreational user	Surface soil	0.08	SS: No COC[3]
	Subsurface soil	0.3	SB: No COC[3]
Child resident	Surface soil	1	SS: No COC[3]
	Subsurface soil	*2*[2]	SB: No COC[3]
Adolescent resident	Surface soil	0.2	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adult resident	Surface soil	0.1	SS: No COC[3]
	Subsurface soil	0.9	SB: No COC[3]

[1] There are no primary risk drivers for any receptor.

[2] The medium-specific hazard index exceeds 1, but target-organ-specific hazard indices do not exceed 1 (HIs are italicized)

[3] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium.

Hazard indices calculated for the Block F EPCs on a target-organ-specific basis do not exceed 1. Consequently adverse non-carcinogenic health effects would not be anticipated for the construction worker, the industrial/commercial worker, the child/adolescent commercial receptor, the recreational user, or a resident under the conditions established in the exposure assessment. HIs were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. None of the location-specific total HIs calculated for the industrial worker exceed unity (i.e., an HI of 1). Total HIs calculated for surface soil from two locations and for subsurface soils from two locations range from 1.1–1.9 for the hypothetical

future resident; all other HIs calculated for the resident are less than 1. These results support the conclusion that adverse non-carcinogenic health effects would not be anticipated for the receptors evaluated.

4.3.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC of COPC in surface and subsurface soil in Block F are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-12. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block F COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	5×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	*3×10^{-6}*	SB: No COC[2]
Industrial/commercial worker	Surface soil	*2×10^{-5}*[3]	SS: BaPEq
	Subsurface soil	9×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	**2×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	1×10^{-5}	SB: No COC[2]
Lifelong recreational user	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*[3]	SB: BaPEq, As, Cr VI, Nap.
Lifelong resident	Surface soil	**5×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*7×10^{-5}*[3]	SB: BaPEq, As, Cr VI, Nap.

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq), naphthalene (Nap.)
[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium
[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)
[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates for the child/adolescent commercial-receptor, lifelong recreational user, and the lifelong resident exposed to COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for all receptors except the construction worker exposed to COPC in both surface subsurface soils and the industrial/commercial worker and child/adolescent commercial receptor exposed to COPC in subsurface soils exceed MDE's cumulative risk benchmark of 1×10^{-5}. In most cases, the primary risk drivers are the BaPEq, and, to a lesser extent, arsenic and hexavalent chromium. (However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.)

Naphthalene is also a risk-driver for lifelong recreational users/residents hypothetically exposed to subsurface soils. The EPC for naphthalene (159 mg/kg) is more than an order of magnitude greater than the current USEPA RSL for industrial-worker exposure to soils (USEPA RSL = 18 mg/kg). As indicated in Table 4-12, the cancer risk estimates for naphthalene (a relatively volatile PAH compound) are driven by the inhalation exposure pathway. The naphthalene EPC evaluated is the maximum detected concentration (159 mg/kg at location SB-238, five-foot depth interval). Naphthalene concentrations at other Block F locations do not exceed COPC soil-screening levels. The naphthalene contamination detected at location SB-238 is co-located with a BaPEq concentration of approximately 3 mg/kg.

Cancer risk estimates were also calculated for surface soils, shallow subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. BaPEq are the primary risk drivers. Cancer risk estimates for the typical industrial worker for samples from several locations exceed 1×10^{-5}; however, estimates for this receptor based on samples from only two surface soil locations (SB-95 and SB-268) exceed 1×10^{-4}.

Cancer risk estimates calculated for the hypothetical future resident on the basis of samples from approximately 50% of the surface soil locations exceed the 1×10^{-5} cancer risk benchmark. BaPEq contamination and, thus, cancer-risk estimates for the hypothetical future resident, are generally less in samples collected from the shallow subsurface soil. Risk estimates for the hypothetical future resident for four surface locations exceed 1×10^{-3}; risk estimates for the industrial worker do not exceed 1×10^{-3}. The location-specific risk estimates for saturated-zone soil samples are typically less than those calculated for the surface and shallow-subsurface zones; only the location-specific risk estimate for the hypothetical future resident for the deep saturated-zone soils at location SB-268 exceeds 1×10^{-4}.

4.3.3 Lead Risks/GRO/DRO

Lead was identified as a “global” COPC in surface soil and subsurface soil. However, the maximum lead concentration in surface soils is the only one of two detections (SB-055 [420 mg/kg] and SB-268 [447 mg/kg]) in Block F to exceed the COPC screening level. Analytical data for nearby sampling locations are all less than 100 mg/kg, and the arithmetic-

mean concentrations from Block F surface and subsurface soils samples are less than 60 mg/kg. Therefore, lead concentrations in Block F soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level [(1)]
Surface soil	447 mg/kg	58.9 mg/kg	400 mg/kg
Subsurface soil	81 mg/kg	10.4 mg/kg	400 mg/kg

[(1)] COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block F surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected DRO concentrations in surface (271 mg/kg at SB-238) and subsurface (881 mg/kg at SB-238) soils exceed both MDE screening levels (230 mg/kg and 620 mg/kg for residential and non-residential screening levels, respectively).

4.4 RISK CHARACTERIZATION RESULTS: TAX BLOCK G

4.4.1 Noncarcinogenic Risks—RME

Tables 4-13 through 4-15 summarize the chemical concentrations detected in Block G soil samples. Cumulative HIs for receptors hypothetically exposed to EPC for COPC detected in surface and subsurface soil in Block G are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-16. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[(1)]
Construction worker	Surface soil (SS)	*2*[(2)]	SS: No COC[(3)]
	Subsurface soil (SB)	*2*[(2)]	SB: No COC[(3)]
Industrial/commercial worker	Surface soil	0.09	SS: No COC[(3)]
	Subsurface soil	0.1	SB: No COC[(3)]
Child commercial receptor	Surface soil	1	SS: No COC[(3)]
	Subsurface soil	0.7	SB: No COC[(3)]
Adolescent commercial receptor	Surface soil	0.2	SS: No COC[(3)]
	Subsurface soil	0.2	SB: No COC[(3)]

Receptor	Environmental medium	Hazard index	Primary risk drivers[1]
Child recreational user	Surface soil	*2*[2]	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adolescent recreational user	Surface soil	0.4	SS: No COC[3]
	Subsurface soil	0.3	SB: No COC[3]
Adult recreational user	Surface soil	0.2	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]
Child resident	Surface soil	**3**[4]	SS: cobalt
	Subsurface soil	*2*[2]	SB: No COC[3]
Adolescent resident	Surface soil	0.5	SS: No COC[3]
	Subsurface soil	0.4	SB: No COC[3]
Adult resident	Surface soil	0.3	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]

[1] Cobalt (Co)

[2] The medium-specific hazard index exceeds one, but target-organ-specific hazard indices do not exceed one (HIs are italicized)

[3] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium.

[4] The medium-specific hazard index exceeds one and target-organ-specific hazard indices exceed one (HIs are bolded)

With one exception, hazard indices calculated on a target organ-specific basis for the Block G EPCs do not exceed 1. However, the total HI calculated for the child resident hypothetically exposed to cobalt concentrations in surface soil does exceed 1. The maximum surface soil concentration (51.2 mg/kg at location SB-197-SS) and the EPC for surface soils (41.2 mg/kg) exceed the currentUSEPA RSL for residential soils (23 mg/kg). This indicates a potential for adverse non-carcinogenic health effects for this receptor under the conditions established in the exposure assessment.

Note that the calculated EPC is strongly influenced by the positive cobalt detection reported for location SB-197-SS. Location-specific HIs calculated for cobalt at other Block G locations (Appendix E) do not exceed unity. Location SB-197 is otherwise unremarkable. Consequently, the cobalt concentration detected at this location (surface and subsurface) may be somewhat anomalous.

4.4.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC of COPC detected in surface and subsurface soil in Block G are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-16. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}.

Block G COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[(1)]
Construction worker	Surface soil (SS)	5×10^{-6}	SS: No COC[(2)]
	Subsurface soil (SB)	2×10^{-6}	SB: No COC[(2)]
Industrial/commercial worker	Surface soil	*2×10^{-5}[(3)]*	SS: BaPEq, As
	Subsurface soil	6×10^{-6}	SB: No COC[(2)]
Child + adolescent commercial receptor	Surface soil	*1×10^{-4}[(3)]*	SS: BaPEq, As, Cr VI
	Subsurface soil	*4×10^{-5}[(3)]*	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**2×10^{-4}[(4)]**	SS: BaPEq, As, Cr VI
	Subsurface soil	*8×10^{-5}[(3)]*	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**3×10^{-4}[(4)]**	SS: BaPEq, As, Cr VI
	Subsurface soil	*1×10^{-4}[(3)]*	SB: BaPEq, As, Cr VI

[(1)] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq)

[(2)] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium.

[(3)] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[(4)] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates for the lifelong recreational user and the lifelong resident exposed to COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for all receptors except the construction worker exposed to COPC in surface and subsurface soils and the industrial worker exposed to COPC in subsurface soils exceed MDE's cumulative risk benchmark of 1×10^{-5}. The primary risk drivers are the BaPEq, and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Risk estimates calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis for hypothetical future residents and industrial workers are in Appendix E. Cancer risk estimates calculated for the typical industrial worker exposed to COPC in samples from surface or shallow sub-surface soils exceed 1×10^{-4} at four and three locations, respectively; location-specific cancer risks for this receptor do not exceed 1×10^{-3}. Cancer risk estimates calculated for the hypothetical future resident for more than 50% of the locations evaluated exceed the 1×10^{-5} cancer risk benchmark. Risk estimates for several locations exceed 1×10^{-3}. The location-specific risk estimates for saturated-zone soil

samples collected from several locations exceed 1×10^{-4}, indicating COC contamination as deep as 15 feet bgs.

4.4.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum and arithmetic-mean lead concentrations detected in Block G soils are less than the COPC screening level. Therefore, lead concentrations in Block G soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level (1)
Surface soil	340 mg/kg	68.3 mg/kg	400 mg/kg
Subsurface soil	18 mg/kg	7 mg/kg	400 mg/kg

(1) COPC screening levels are defined and referenced in Section 3

Maximum detected DRO concentrations in Block G surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected GRO concentrations in surface (810 mg/kg at SB-734) and subsurface (980 mg/kg at SB728) soils exceed both MDE screening levels (230 mg/kg and 620 mg/kg for residential and non-residential screening levels, respectively).

4.5 RISK CHARACTERIZATION RESULTS: TAX BLOCK H

4.5.1 Noncarcinogenic Risks—RME

Tables 4-17 through 4-19 summarize the chemical concentrations detected in Block H soil sample. Cumulative HIs for the receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block H are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-20. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers
Construction worker	Surface soil (SS)	0.4	SS: No COC
	Subsurface soil (SB)	0.5	SB: No COC

Receptor	Environmental medium	Hazard index	Primary risk drivers
Industrial/commercial worker	Surface soil	0.03	SS: No COC
	Subsurface soil	0.04	SB: No COC
Child commercial receptor	Surface soil	0.3	SS: No COC
	Subsurface soil	0.3	SB: No COC
Adolescent commercial receptor	Surface soil	0.06	SS: No COC
	Subsurface soil	0.07	SB: No COC
Child recreational user	Surface soil	0.5	SS: No COC
	Subsurface soil	0.6	SB: No COC
Adolescent recreational user	Surface soil	0.1	SS: No COC
	Subsurface soil	0.1	SB: No COC
Adult recreational user	Surface soil	0.06	SS: No COC
	Subsurface soil	0.07	SB: No COC
Child resident	Surface soil	0.7	SS: No COC
	Subsurface soil	0.9	SB: No COC
Adolescent resident	Surface soil	0.1	SS: No COC
	Subsurface soil	0.2	SB: No COC
Adult resident	Surface soil	0.08	SS: No COC
	Subsurface soil	0.09	SB: No COC

Total hazard indices and hazard indices calculated on a target organ-specific basis that is based on Block H EPCs do not exceed 1 for any of the receptors evaluated. Consequently, adverse non-carcinogenic health effects would not be anticipated under the conditions established in the exposure assessment.

HIs were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. None of the location-specific total HIs calculated for the industrial worker exceed unity. Total HIs calculated for surface soil from one location and subsurface soils from three locations range from 1.3–1.6 for the hypothetical future resident; all other HIs calculated for the resident are less than 1. These results support the conclusion that adverse non-carcinogenic health effects would not be anticipated for the receptors evaluated.

4.5.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to surface and subsurface soil in Block H are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-20. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. COC for Block H will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	8×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	1×10^{-6}	SB: No COC[2]
Industrial/commercial worker	Surface soil	*4×10^{-5}*[3]	SS: BaPEq
	Subsurface soil	3×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*2×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**6×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**9×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*4×10^{-5}*[3]	SB: BaPEq, As, Cr VI

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq)

[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium

[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates (based on the Block H EPCs) for the lifelong recreational user, the lifelong resident, and the child/adolescent commercial receptor exposed to EPCs for COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for these receptors exposed to COPC in subsurface soil and for the industrial/commercial worker exposed to COPC in surface soil exceed MDE's cumulative risk benchmark of 1×10^{-5}. Cancer risk estimates for the construction worker exposed to COPC in surface and subsurface soil and for the industrial/commercial worker exposed to COPC in subsurface soil do not exceed either USEPA or MDE cumulative cancer risk benchmarks. BaPEq are the primary risk drivers and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Cancer risk estimates were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. Cancer risk estimates developed for the hypothetical future resident for surface soils from boring locations SB-282A, -282D, and -604D, and for subsurface soils (2–10 feet bgs) from soil-boring locations SB-282, -282B, -604B, -614, and -285 exceed 1×10^{-4}. Cancer risk estimates developed for the industrial worker for surface soils from boring location SB-604D exceed 1×10^{-4}; none of the cancer risk estimates developed for the industrial worker for subsurface soil locations exceed 1×10^{-4}. Cancer risk estimates

developed for the hypothetical future resident for deeper saturated-zone soils from soil boring location SB-282 also exceed 1×10^{-4}. As summarized in Appendix E, cancer risk estimates developed for these receptors at several Block H locations exceed 1×10^{-5}. The locations exceeding 1×10^{-5} are scattered across Block H.

4.5.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum and arithmetic-mean lead concentrations detected in Block H soils are less than the COPC screening level. Therefore, lead concentrations in Block H soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level [(1)]
Surface soil	18 mg/kg	6.8 mg/kg	400 mg/kg
Subsurface soil	17 mg/kg	7.2 mg/kg	400 mg/kg

[(1)]COPC screening levels are defined and referenced in Section 3

The maximum detected concentration of DRO in surface soil (242 mg/kg at SB-201) marginally exceeds the MDE residential soil-screening level (230 mg/kg). However, no other GRO or DRO concentration reported for Block H soils exceeds the MDE residential standard. None of the reported DRO/GRO concentrations exceed the MDE industrial soil-screening level (620 mg/kg). These indicators of fuel-related contamination are not significant contaminants in Block H soils.

4.6 REFINED EVALUATION OF CHEMICAL MIGRATION FROM SOILS TO GROUNDWATER

This section presents the results of the refined evaluation of the potential for chemical migration from soils to groundwater. The methodology used for the evaluation is provided in Section 3.4.3. Block-specific comparisons of soil data to MDE groundwater-protection criteria and adjusted USEPA soil-screening levels (SSLs) for groundwater protection are included in the "Occurrence and Distribution of Chemicals" tables for surface soil and subsurface soil (Tables 4-1, 4-2, 4-5, 4-6, 4-9, 4-10, 4-13, 4-14, 4-17, and 4-18). The MDE groundwater-protection criteria are based on a DAF of 20, and the USEPA criteria in these tables have been adjusted (i.e., multiplied by 20) to be based on a DAF of 20. A global COPC for the soil to groundwater migration pathway was deemed a block-specific COPC for the migration to groundwater pathway if the chemical

was detected in a block-specific data set. Using this methodology, block-specific migration-to-groundwater COPC are presented in Tables 4-21 and 4-22 for surface soil and subsurface soil, respectively.

Groundwater data were not evaluated in the quantitative risk assessment. However, depth to groundwater at the Middle River Complex (MRC) is relatively shallow (i.e., groundwater is typically within 10 feet of the surface), and, as mentioned previously, site contamination presumably occurred more than 40 years ago. Therefore, evaluating groundwater data is very important in assessing possible contaminant migration to groundwater. Groundwater data collected at the MRC during the May–June 2010 sampling event were used to evaluate the migration to groundwater pathway. These groundwater data were selected because they were collected recently and can therefore be reasonably assumed to represent current conditions.

The May–June 2010 groundwater data set was evaluated as a whole to determine if any migration to groundwater COPC have negatively affected site groundwater. Table 4-23 presents positive detections of chemicals detected in the May–June 2010 sampling event. Only the samples collected from the blocks evaluated in this HHRA (i.e., Blocks D, E, F, G, and H) are included in Table 4-23. Block identifiers are also included in that table's headers.

Descriptive statistics for the groundwater data set (e.g., maximum and mean concentrations, frequency of detection), relevant screening criteria (MDE groundwater cleanup standards, USEPA tap water RSLs, and SDWA MCLs), as well as results for the frequency of detected chemicals in groundwater that exceed (1) MDE groundwater cleanup standards, (2) USEPA tap water RSLs, and (3) 10× the tap water RSLs were calculated for Blocks E and G. These results are presented in Tables 4-24 and 4-25, respectively. Descriptive statistics were not calculated for groundwater collected from Blocks D, F, and H because only three samples, two samples, and three samples, respectively, are associated with these data sets.

Note that none of the PAHs or other semivolatile organic compounds (SVOCs) selected as migration to groundwater COPC appear in Table 4-23. PAHs and other SVOCs have not been frequent analytes in the groundwater sampling at the MRC in recent years because past sampling determined that PAHs are not significant COC in groundwater at these tax blocks. Therefore, PAHs and other SVOCs are not retained as COC for the migration from soil to groundwater

pathway for these tax blocks and are not discussed further in this section. Pesticides and polychlorinated biphenyls (PCBs) were not analytes in the groundwater data set. Therefore, COC for pesticides and PCBs are selected using only the available soil data.

No filtered metals results are included in the groundwater data set used for evaluation. Therefore, the analysis is based on total metals results. However, concentrations of total metals in groundwater may be artificially elevated if sample turbidity was high during groundwater collection. Therefore, filtered groundwater results from prior sampling events (July–August 2008 and July–August 2009) (Appendix D) were considered to assess if metals results for groundwater were likely attributable to sample turbidity. However, in most cases, metals with total groundwater concentrations exceeding criteria in the 2010 data set had similar exceedances in the 2008 and 2009 groundwater data sets. Thus, incorporating filtered groundwater results into the evaluation would not greatly affect overall conclusions.

Numerous metals were retained as block-specific migration-to-groundwater COPC in both surface soil and subsurface soil. However, as Table 4-23 shows, only the metals migration-to-groundwater COPC arsenic, cobalt, iron, manganese, and nickel had detected concentrations in groundwater exceeding the USEPA tap water RSL. Therefore, these constituents are considered groundwater COPC for this evaluation, and other metals will not be further discussed. No results are available for the miscellaneous parameter hexavalent chromium in groundwater. Therefore, hexavalent chromium is discussed below where applicable.

Block D surface soil—Volatiles, pesticides/PCBs, metals, and hexavalent chromium were selected as "global" migration-to-groundwater COPC and were detected in Block D surface soil. Of the volatiles selected as "global" migration-to-groundwater COPC, 1,2,4-trimethylbenzene, benzene, ethylbenzene, and methylene chloride were not detected in soil at concentrations exceeding MDE groundwater-protection criterion or the USEPA SSL at a DAF of 20. They are therefore eliminated as COC.

Naphthalene is the only volatile organic compound (VOC) detected at a concentration exceeding these criteria (in one of 29 samples). The maximum concentration of naphthalene is greater than twice the SSL. However, note that the maximum concentration of naphthalene is less than twice the MDE criterion. Of the pesticides/PCBs, only beta-BHC had detections exceeding MDE and

USEPA criteria; therefore, Aroclor-1260 and total Aroclor are eliminated from COC selection. Beta-BHC exceeded criteria in only two of 17 samples. Of the metals, arsenic exceeded criteria in 27 of 29 samples, cobalt exceeded the SSL in three of 15 samples, iron exceeded the SSL in five of 15 samples, and manganese and nickel did not exceed applicable criteria in any samples. Therefore, manganese and nickel are eliminated for COC selection.

Hexavalent chromium exceeded the USEPA SSL at a DAF of 20 in nine of 15 samples. However, hexavalent chromium concentrations did not exceed the MDE groundwater-protection criterion. Actually reported hexavalent chromium data (i.e., not predicted based on a 5% assumed ratio between hexavalent and total chromium) were used in this evaluation.

The Block D groundwater data set had only three samples. Therefore, frequency of detections exceeding criteria could not be considered in selecting COC. Naphthalene was not detected in groundwater in any Block D groundwater samples and is thus eliminated as a COC. Beta-BHC was not a target analyte for the recent groundwater samples. Arsenic, cobalt, and iron exceeded applicable groundwater criteria, including MCLs (when available) in at least one sample. Hexavalent chromium results were not available for Block D groundwater.

Summary/Conclusions for Block D surface soil— The analysis presented above suggests that beta-BHC, arsenic, cobalt, iron, and hexavalent chromium should be retained as migration to groundwater COC. However, it should be noted that beta-BHC is most likely present in the soils as a consequence of the wide-spread application of pesticides/herbicides (not as a consequence of releases in the study area) and most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Additionally, the maximum detection of beta-BHC (9.1 µg/kg) is less than the MCL-based SSL (DAFof 20) published for a related chemical, gamma-BHC (24 µg/kg). Consequently, these parameters are not recommended for further evaluation in the RAP.

Block D subsurface soil—The list of chemicals selected as "global" migration-to-groundwater COPC and detected in Block D subsurface soil is similar to that for the Block D surface soil. Of the volatiles, 1,2,4-trimethylbenzene, acetone, benzene, m+p-xylenes, and total xylenes detections in soil do not exceed MDE criteria or USEPA criteria based on a DAF of 20, and they

are eliminated from COC selection. Concentrations of ethylbenzene do not exceed the MDE criterion but do exceed the SSL based on a DAF 20 in one of 84 samples. Ethylbenzene is eliminated from COC selection because the exceedances occur in less than 5% of samples and because the maximum concentration is less than twice the SSL at a DAF of 20.

Methylene chloride exceeds both the MDE criterion and adjusted SSL in two of 84 samples, and the maximum concentration of this chemical exceeds the criteria by more than 2×. Naphthalene concentrations also exceed relevant MDE and USEPA criteria in two of 84 and three of 84 samples, respectively. No concentrations of the pesticides/PCBs selected as "global" migration to groundwater COPC exceed groundwater-protection criteria in Block D subsurface soil. These chemicals are therefore eliminated as COC for Block D subsurface soil.

For the metals, arsenic, cobalt, and iron have concentrations exceeding applicable groundwater-protection criteria at frequencies greater than 5%. No concentrations of manganese or nickel exceed the available groundwater-protection criteria. These chemicals are therefore eliminated as COC. Hexavalent chromium was detected in 30 of 64 Block D subsurface soil samples. Concentrations of hexavalent chromium exceeded the USEPA SSL based on a DAF of 20 in 30 of 64 samples but do not exceed the MDE groundwater-protection criterion in any samples.

In Block D groundwater samples, ethylbenzene, methylene chloride, and naphthalene were not detected and are thus eliminated as COC. As mentioned previously, arsenic, cobalt, and iron were detected at concentrations exceeding criteria (including the MCL when available) in at least one of the three groundwater samples. Block D groundwater samples were not analyzed for hexavalent chromium.

Summary/Conclusions for Block D subsurface soil— The analysis above suggests the retention of arsenic, cobalt, iron, and hexavalent chromium as migration to groundwater COC. However, most of the metals concentrations detected likely reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, these parameters are not recommended for further evaluation in the RAP.

Block E surface soil—VOCs, PCBs, and metals were selected as "global" migration-to-groundwater COPC and all were detected in Block E surface soil. Of the VOCs, 1,2-dichlorobenzene in surface soil did not exceed relevant criteria in any samples and is thus

eliminated from COC selection. No concentrations of tetrachloroethene (PCE) exceed the MDE criterion, and PCE detections in surface soil exceed the adjusted SSL in only one of 42 samples. No PCE hot spot is present (i.e., concentrations do not exceed twice the adjusted SSL), so PCE was eliminated from COC selection.

The rest of the VOC COPC have relatively low frequencies of detection exceeding criteria (i.e., no more than approximately 17% exceedances): 1,2,3-trichlorobenzene, 1,3-dichlorobenzene, methylene chloride, and naphthalene have frequencies of detections exceeding criteria that are less than 5%. However, all of these VOCs may have possible hot spot concentrations (i.e., concentrations greater than twice the criteria). Three PCBs and total Aroclor were selected as "global" migration-to-groundwater COPC. Aroclor-1254 exceeds both the MDE and USEPA criteria in two of 220 samples but has a maximum concentration greater than twice the criteria. Aroclor-1260/total Aroclor exceed the relevant criteria in 73 of 220 samples. Manganese and nickel were not detected in surface soil at concentrations exceeding criteria and are thus eliminated from COC selection. Arsenic, cobalt, and iron exceed criteria in more than 5% of surface soil samples.

Methylene chloride and naphthalene were not detected in Block E groundwater samples and are thus eliminated from COC selection. Neither was PCE (previously eliminated from COC selection) detected in groundwater. Concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene exceeded the MDE groundwater protection value or USEPA tap water value and MCL (when available). Less than 20 samples were available for Block E groundwater, so these chemicals are not eliminated from COC selection based on the frequency of their detection in excess of relevant criteria.

Concentrations of arsenic, cobalt, and iron in Block E groundwater exceed the USEPA tap water criteria. However, concentrations of arsenic do not exceed the MDE groundwater standard. Concentrations of arsenic do not exceed the MCL; therefore, arsenic is eliminated as a COC. The frequency of detections of these chemicals in excess of relevant criteria was not considered in determine COC because less than 20 samples of Block E groundwater were available.

Summary/Conclusions for Block E surface soil—The preceding analysis suggests the retention of the following chemicals as COC: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene,

1,3-dichlorobenzene, 1,4-dichlorobenzene, Aroclor-1242, Aroclor-1260, total Aroclor, cobalt, and iron. However, PCBs (i.e., the Aroclors) have already been identified as COC in the Block E surface soils because of direct contact risk. These PCB parameters do not readily migrate from soils to groundwater, and direct-contact-risk remedial goals established for these chemicals are typically more conservative (i.e., lower than) site-specific migration-to-groundwater remedial goals that may be calculated for these parameters. Note that most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, PCBs and metals are not recommended for further evaluation in the RAP. In contrast, the referenced chlorobenzene compounds (mostly associated with "hot spot" location SB-833) are recommended for further evaluation in the RAP.

Block E subsurface soil— The migration-to-groundwater "global" COPC list for Block E subsurface soil is similar to that of Block E surface soil, although a few more volatiles are COPC for subsurface soil. Of the VOCs in subsurface soil, 1,2,4-trimethylbenzene, acetone, carbon tetrachloride, m+p-xylenes, and total xylenes do not have concentrations exceeding applicable criteria and are thus eliminated from COC selection. 1,2-Dichlorobenzene, 1,2-dichloroethane, 1,3-dichlorobenzene, benzene, chlorobenzene, methylene chloride, naphthalene, PCE, trichloroethene (TCE) and vinyl chloride have less than 5% frequencies of detection exceeding the relevant criteria and are thus eliminated from COC selection. For the PCBs, Aroclor-1254 exceeds criteria in only one of 255 samples; however, the maximum concentration is greater than twice the criteria. Aroclor-1260/total Aroclor exceed criteria in more than 5% of samples and have maximum concentrations exceeding the relevant criteria. For the metals, cobalt, manganese, and nickel are eliminated from COC selection because no concentrations of these chemicals in soil exceed the applicable criteria. Concentrations of arsenic and iron exceed the criteria in more than 5% of samples.

As mentioned previously, concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene in groundwater exceed applicable screening criteria, including MCLs (when available). Arsenic concentrations exceed the USEPA tap water criterion but do not exceed the MDE criterion or the MCL; arsenic is thus eliminated from COC selection. Iron concentrations do exceed the MDE cleanup standard and the USEPA tap water criterion. Fewer than 20 samples

were available, so the frequency of detections exceeding criteria was not considered in selecting COC.

Summary/Conclusions for Block E subsurface soil—The preceding analysis suggests the retention of the following chemicals as migration-to-groundwater COC: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, Aroclor-1254, Aroclor-1260, total Aroclor, and iron. The narrative provided above regarding the chlorobenzene and PCB detections in the Block E surface soils also applies to the Block E subsurface soils. Therefore, PCBs are not recommended for further evaluation in the RAP (on the basis of groundwater protection); the chlorobenzene compounds are recommended for evaluation in the RAP. Note that most of the iron concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, iron is not recommended for further evaluation in the RAP.

Block F surface soil—One VOC, PCBs, metals, and hexavalent chromium are "global" COPC detected in Block F surface soil. The VOC methylene chloride was not detected at concentrations in surface soil exceeding the MDE groundwater-protection criterion or the USEPA SSL, based on a DAF of 20. Therefore, methylene chloride is eliminated from COC selection. Aroclor-1254 was not detected at concentrations exceeding criteria in surface soil and is also eliminated from COC selection. Aroclor-1260 and total Aroclor were detected in less than 5% of samples; however, their maximum concentrations exceed twice the screening criteria.

Of the metals, nickel was not detected at concentrations in surface soil exceeding criteria and thus is not a COC. One of 20 (approximately 5%) cobalt concentrations exceeded the adjusted USEPA SSL, so cobalt is not a COC. Arsenic concentrations exceeded criteria in more than 5% of surface soil samples. Hexavalent chromium concentrations exceeded the adjusted USEPA SSL in more than 5% of samples but did not exceed MDE groundwater-protection criterion.

Only two groundwater samples were available for Block F groundwater. Arsenic concentrations exceeded the USEPA tap water RSL but did not exceed the MDE groundwater-protection cleanup standard or the MCL. It should also be noted that most of the arsenic concentrations detected in the Block F surface soils appear to reflect background conditions. Thus, arsenic is not retained as a COC. Block F groundwater samples were not analyzed for hexavalent chromium,

so hexavalent chromium could not be eliminated from migration-to-groundwater COC selection based on groundwater data.

Summary Conclusions for Block F surface soil— The analysis above suggests the retention of the following chemicals as migration-to-groundwater COC for Block F surface soil: Aroclor-1260, total Aroclor, and hexavalent chromium. However, PCBs (i.e., the Aroclors) were not selected as groundwater protection COC for the Block F subsurface soils suggesting limited migration from surface to subsurface soils. Additionally, the vast majority of total chromium and hexavalent chromium results suggest that chromium concentrations in the Block F soils are reflective of background conditions. Also, maximum total and hexavalent chromium concentrations do not exceed the MDE clean-up standard for groundwater protection. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, PCBs and hexavalent chromium are not recommended for further evaluation in the RAP.

Block F subsurface soil—The "global" COPC list for Block F subsurface soil is similar to Block F surface soil, with the addition of a few VOCs. In subsurface soil, the VOCs acetone, m+p-xylenes, and total xylenes do not have concentrations exceeding the MDE cleanup standard for groundwater protection or exceeding the adjusted USEPA SSL based on a DAF of 20. These chemicals are therefore not retained as COC for migration to groundwater.

Concentrations of 1,2,4-trimethylbenzene exceed the criteria in only one of 36 samples (approximately 3%); this chemical is thus not a COC. Concentrations of ethylbenzene, methylene chloride, and naphthalene in subsurface soil exceed criteria in only one of 36 samples; however, the maximum concentrations of these chemicals are greater than twice the applicable criteria.

For PCBs, concentrations of Aroclor-1260 and total Aroclor do not exceed the MDE or adjusted USEPA criteria. PCBs are therefore eliminated as COC. For the metals, concentrations of nickel did not exceed the applicable screening criteria, so nickel is likewise not a COC. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples.

Ethylbenzene, methylene chloride, and naphthalene were not detected in groundwater, so these chemicals are eliminated as migration-to-groundwater COC. As previously stated, arsenic

concentrations in groundwater exceed the tap water RSL but do not exceed the MDE cleanup standard or the MCL. Therefore, arsenic is not a COC. Cobalt concentrations in groundwater exceed the tap water RSL in one of two samples. No MCL is available for cobalt.

Summary/Conclusions for Block F subsurface soil— The preceding analysis suggests the retention of cobalt as a migration-to-groundwater COC for Block F subsurface soil. However, note that most of the cobalt concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, cobalt is not recommended for further evaluation in the RAP.

Block G surface soil—Volatiles, PCBs, and metals were selected as "global" migration-to-groundwater COPC and were detected in Block G surface soil. In surface soil, the VOCs 1,1-dichloroethane, 1,2,4-trimethylbenzene, methylene chloride, and naphthalene do not exceed the MDE cleanup standard for groundwater protection or the adjusted USEPA SSL based on a DAF of 20. These chemicals are therefore not retained as COC. Concentrations of TCE exceed the MDE groundwater protection cleanup standard in three of 14 samples but do not exceed the adjusted SSL. For the PCBs, Aroclor-1254 does not exceed criteria and is thus not retained as a COC. Concentrations of Aroclor-1260 and total Aroclor exceed criteria in two of 22 samples. For the metals, concentrations of nickel do not exceed criteria; nickel is thus not a COC. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples.

Nineteen samples were available for Block G groundwater. Concentrations of TCE in groundwater exceed groundwater-screening criteria in more than 5% of samples, in addition to exceeding the MCL. Concentrations of arsenic in groundwater exceed the USEPA tap water criterion in more than 5% of samples and also exceed the MDE groundwater cleanup standard and the MCL. Concentrations of cobalt exceed the USEPA tap water RSL in more than 5% of samples. No MCL is available for cobalt.

Summary/Conclusions for Block G surface soil—The preceding analysis suggests the selection of TCE, Aroclor-1260, total Aroclor, arsenic, and cobalt as migration-to-groundwater COC for Block G surface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. PCBs (i.e., the Aroclors) were not selected as groundwater protection COC for the Block G subsurface soils suggesting limited migration from surface to

subsurface soils. Most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block G subsurface soil—Global migration-to-groundwater COPC for Block G subsurface soil include VOCs, PCBs, and metals. For the VOCs in subsurface soil, 1,2,4-trimethylbenzene, acetone, methylene chloride, and total xylenes do not have concentrations exceeding the MDE groundwater-protection standard or the adjusted SSL based on a DAF of 20. These chemicals are therefore eliminated from COC selection. Additionally, concentrations of benzene exceed criteria in less than 5% of samples; therefore, benzene is not a COC. Concentrations of ethylbenzene exceed criteria in less than 5% of samples; however, the maximum concentration of ethylbenzene is more than twice the adjusted SSL.

Concentrations of naphthalene and TCE exceed criteria in more than 5% of samples. Concentrations of PCBs do not exceed criteria; PCBs are therefore not retained as COC. Concentrations of the metals manganese and nickel do not exceed criteria and are thus not retained as COC. In contrast, concentrations of arsenic, cobalt, and iron exceed criteria in more than 5% of samples.

Ethylbenzene and naphthalene were not detected in groundwater, so these chemicals are eliminated from COC selection. Groundwater concentrations of TCE exceed the screening criteria in more than 5% of samples and also exceed the MCL. As mentioned previously, concentrations of arsenic in groundwater exceed the USEPA tap water criterion in more than 5% of samples and exceed the MDE groundwater cleanup standard and the MCL. Concentrations of cobalt exceed the USEPA tap water RSL in more than 5% of samples. No MCL is available for cobalt. Concentrations of iron also exceed criteria in more than 5% of samples.

Summary/Conclusions for Block G subsurface soil—The preceding analysis suggests the retention of the following constituents as migration-to-groundwater COC for Block G subsurface soil: TCE, arsenic, cobalt, and iron. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Also, note that most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1

for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block H surface soil—VOCs and metals were selected as "global" migration-to-groundwater COPC and were detected in Block H surface soil. Of the VOCs, ethylbenzene, and methylene chloride were not detected at concentrations exceeding the MDE groundwater protection standard or the adjusted USEPA SSL at a DAF of 20. These constituents are therefore not COC. Concentrations of naphthalene exceed the adjusted SSL in two of 11 samples. For the metals, no concentrations of nickel exceeded applicable criteria, so nickel is not retained as a COC. At least one concentration each of arsenic and cobalt exceed criteria. The frequency of detections exceeding criteria was not considered in determining COC because less than 20 samples of arsenic and cobalt were available.

Three groundwater samples were available for Block H. Naphthalene was not detected in Block H groundwater and is therefore eliminated as a migration-to-groundwater COC. TCE was detected in groundwater at a concentration exceeding criteria, including the MCL. Arsenic was detected in groundwater at detections exceeding the USEPA tap water criterion; however, arsenic concentrations did not exceed the MDE groundwater-protection criterion and did not exceed the MCL. Therefore, arsenic is not retained as a COC. Concentrations of cobalt did exceed the USEPA tap water criterion. No MDE groundwater-protection criterion or MCL is available for cobalt.

Summary/Conclusions for Block H surface soil—The preceding analysis suggests the retention of TCE and cobalt as migration-to-groundwater COC for Block G subsurface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Also,, note that most (if not all) of the cobalt concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block H subsurface soil—VOCs, metals, and hexavalent chromium were selected as "global" migration-to-groundwater COPC and were detected in the Block H subsurface soil. Of the VOC COPC, only naphthalene and TCE were detected at concentrations exceeding the screening criteria. Therefore, the remaining VOCs, 1,2,4-trimethylbenzene, acetone, ethylbenzene,

m+p-xylenes, and methylene chloride are eliminated from COC selection. Of the metals, nickel was not detected at concentrations exceeding criteria and is thus eliminated from COC selection. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples. One of five concentrations of hexavalent chromium exceed the adjusted USEPA SSL, but no concentrations of hexavalent chromium exceed the MDE groundwater protection value.

The frequency of detections exceeding criteria in Block H groundwater was not considered in selecting COC because only three samples were available. Naphthalene was not detected in the Block H groundwater samples; naphthalene is thus not a COC. TCE was detected in groundwater at a concentration exceeding criteria, including the MCL. Arsenic concentrations exceeded the USEPA tap water value but did not exceed the MDE cleanup standard for groundwater protection, or the MCL. Arsenic is therefore eliminated as a migration-to-groundwater COC. Concentrations of cobalt exceeded the adjusted USEPA SSL. No MDE groundwater cleanup standard or MCL is available for cobalt. Hexavalent chromium was not an analyte in the Block H groundwater samples.

Summary/Conclusions for Block H subsurface soil—The preceding analysis suggests the retention of TCE, cobalt, and hexavalent chromium as migration-to-groundwater COC for Block H subsurface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Note, also, that most of the cobalt concentrations detected may reflect background conditions. Additionally, the vast majority of total chromium and hexavalent chromium results suggest that chromium concentrations in the Block H soils are reflective of background conditions. Also, maximum total and hexavalent chromium concentrations do not exceed the MDE clean-up standard for groundwater protection. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Table 4-1
Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,4-TRIMETHYLBENZENE	1/29	33		33		SB-66-SS	0.48	7	33.0	2.6	NC	NC	6200	N	0	NC	NC	420	0
1,3,5-TRIMETHYLBENZENE	1/14	23		23		SB-66-SS	5	7	23.0	4.3	NC	NC	78000	N	0	NC	NC	10400	0
2-BUTANONE	7/29	1.6	J	17		D-SB-795-SS	1	72	6.9	15.9	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	2/29	110		440	J	D-SB-788-SS	4.7	210	275	43.4	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/29	0.72	J	0.72	J	D-SS-786-01	0.17	7	0.72	1.5	12000	0	1100	C	0	1.9	0	4.2	0
CARBON DISULFIDE	3/29	0.65	J	0.82	J	D-SB-789-SS	0.33	7	0.71	1.7	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	1/29	8		8		SB-66-SS	0.19	7	8.0	1.6	780000	0	5400	C	0	15000	0	34	0
M+P-XYLENES	2/29	10	J	10	J	SB-33A-SS, SB-66-SS	0.89	14	10.0	3.4	1600000 [6]	0	63000	N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	5/29	7	J	10	J	SB-66-SS	0.5	7	8.0	2.6	85000	0	11000	C	0	19	0	24	0
NAPHTHALENE	1/29	260		260		SB-66-SS	0.14	7	260	10.4	160000	0	3600	C	0	150	1	9.4	1
O-XYLENE	1/29	23		23		SB-66-SS	0.26	7	23.0	2.2	1600000 [6]	0	380000	N	0	3000 [6]	0	24000	0
TOLUENE	1/29	0.38	J	0.38	J	D-SB-792-SS	0.2	7	0.38	1.5	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROFLUOROMETHANE	1/29	0.85	J	0.85	J	D-SB-794-SS	0.25	7	0.85	1.5	NC	NC	79000	N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																			
BIS(2-ETHYLHEXYL)PHTHALATE	1/29	20	J	20	J	D-SB-788-SS	20	4800	20.0	820	46000	0	35000	C	0	2900000	0	22000	0
CARBAZOLE	2/29	62		120		D-SB-794-SS	28	4800	91.0	827	32000	0	NC		0	470	0	NC	NC
DIBENZOFURAN	4/29	11	J	110		D-SB-794-SS	3.4	4800	42.5	821	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/29	2000	J	2000	J	SB-58-SS	18	4800	2000	826	NC	NC	NC		NC	NC	NC	NC	NC
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	3/16	15		480		D-SB-771-SS	3.6	83	174	38.5	NC	NC	22000	C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	10/45	8.9		990	J	SB-66-SS	3.4	4800	223	532	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	20/60	11		4500		D-SB-771-SS	3.5	4800	455	530	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	15/60	10		1600	J	SB-67-SS	3.5	4800	271	375	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	23/60	15		6000		D-SS-781-01	3.5	4800	854	701	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECT[17]	97/120	2.6		22517		D-SB-60RE-1	1.4	4200	1988	1702	22	80	15		90	NC	NC	70	61
BAP EQUIVALENT-POSITIVE RESULTS[17]	97/120	0.0072		22517		D-SB-60RE-1	1.4	4200	1803	1552	22	76	15	C	86	120	42	70	56
BENZO(A)ANTHRACENE	84/120	8.3		23000		D-SB-60RE-1	1	4800	1584	1242	220	28	150	C	31	480	23	200	29
BENZO(A)PYRENE	88/120	5		16000		D-SB-60RE-1	1.4	4800	1399	1175	22	73	15	C	77	120	33	70	44
BENZO(B)FLUORANTHENE	90/120	4.925		16000		D-SB-60RE-1	1.3	4800	1466	1250	220	29	150	C	32	1500	17	700	21
BENZO(G,H,I)PERYLENE	33/60	8.9		6900	J	SB-67-SS	3.5	4800	833	757	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	76/120	8.2		6300		D-SB-60RE-1	1.8	4800	777	643	2200	12	1500	C	13	15000	0	7000	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	500	J	1600	J	D-SB-777-SS	73	80	1050	376	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/6	710	J	2300	J	D-SB-777-SS	73	80	1505	528	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	2/6	290	J	1300	J	D-SB-777-SS	73	80	795	291	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	220	J	780	J	D-SB-777-SS	73	80	500	193	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/6	170	J	590	J	D-SB-777-SS	73	80	380	153	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	110	J	420	J	D-SB-777-SS	73	80	265	114	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	2/6	110	J	310	J	D-SB-777-SS	73	80	210	95.8	NC	NC	NC		NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/6	300	J	300	J	D-SB-777-SS	73	85	300	82.9	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	89/120	7.2		24000		D-SB-60RE-1	0.96	4200	1538	1236	22000	1	15000	C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	38/120	6.375		2000		D-SB-62RED-1, SB-67-SS	1.4	4800	472	324	22	28	15	C	33	460	12	220	14
FLUORANTHENE	47/60	8.4		37000		D-SB-774-SS	3.6	4800	2241	1955	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	19/60	9.8		3100		D-SB-771-SS	3.5	4800	508	506	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	81/120	8.7	J	7000		D-SB-62RED-1	1.6	4800	813	698	220	24	150	C	30	4200	5	2400	12
NAPHTHALENE	21/60	8.1		3100		D-SB-771-SS	3.4	4800	237	452	160000	0	3600	C	0	150	3	9.4	20
PHENANTHRENE	37/60	12		27000		D-SB-774-SS	3.5	4800	2282	1675	2300000	0	170000	N[9]	0	470000	0	2400000 [9]	0
PYRENE	50/60	7	J	27000		D-SB-774-SS	3.6	3700	2014	1800	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
4,4'-DDD	1/17	4	J	4	J	D-SB-794-SS	0.66	53	4.0	4.3	2700	0	2000	C	0	11000	0	1320	0
4,4'-DDE	3/17	1.5	J	7.8	J	D-SS-783-01	0.41	53	5.5	4.5	1900	0	1400	C	0	35000	0	940	0
AROCLOR-1260	1/29	20	J	20	J	D-SB-794-SS	18	350	20.0	74.5	320	0	220	C	0	NC	NC	480	0
BETA-BHC	2/17	6.4	J	9.1	J	D-SS-783-01	1.2	53	7.8	5.8	350	0	270	C	0	3.1	2	4.4	2
TOTAL AROCLOR	1/29	20		20		D-SB-794-SS	0	0	20.0	0.69	320 [10]	0	220	C[11]	0	410 [10]	0	NC	NC

Table 4-1
Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Inorganics (mg/kg)																
ANTIMONY	9/24	0.034 J	3 J	SB-67-SS	0.025	3.3	0.50	0.66	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	27/29	0.54 L	6	D-SS-786-01	0.48	0.56	2.2	2.1	0.43	27	0.39 C	27	0.026	27	0.026	27
BARIUM	15/15	3.7	54.4	D-SB-794-SS	--	--	22.1	22.1	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	17/29	0.055 J	4.6	SB-67-SS	0.05	3.1	1.3	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	5/29	0.053 J	0.4 L	D-SS-787-01	0.0082	3.3	0.18	0.69	3.9	0	7 N	0	27	0	28	0
CHROMIUM	29/29	3.1 K	36 J	SB-66-SS	--	--	15.0	15.0	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	15/15	0.5	27.5	D-SS-787-01	--	--	6.07	6.1	NC	NC	2.3 N	8	NC	NC	9.8	3
COPPER	28/29	2.9	34 L	SB-33A-SS	2.6	2.6	12.5	12.1	310	0	310 N	0	11000	0	1020	0
IRON	15/15	3870	25400 J	D-SS-786-01	--	--	11700	11700	5500	10	5500 N	10	NC	NC	12800	5
LEAD	29/29	0.98	75 K	SB-64-SS	--	--	20.6	20.6	400	0	400	0	NC	NC	280 [13]	0
MANGANESE	15/15	9.4 J	183 J	D-SB-794-SS	--	--	56.3	56.3	160	1	180 N	1	950	0	1140	0
MERCURY	11/29	0.019 J	1.7	D-SB-794-SS	0.016	0.13	0.32	0.15	2.3 [14]	0	2.3 N[15]	0	NC	NC	NC	NC
MOLYBDENUM	14/15	0.14 J	0.61	D-SB-796-SS	0.14	0.14	0.40	0.38	NC	NC	39 N	0	NC	NC	74	0
NICKEL	29/29	0.64	40.6 J	D-SS-787-01	--	--	10.9	10.9	160	0	150 N	0	NC	NC	960	0
SELENIUM	19/29	0.11 J	4.4	SB-67-SS	2.4	3.3	1.47	1.4	39	0	39 N	0	19	0	19	0
SILVER	9/15	0.023 J	1.4	D-SB-794-SS	0.017	0.025	0.34	0.21	39	0	39 N	0	31	0	32	0
THALLIUM	4/29	0.034 J	0.054 J	D-SS-787-01	0.014	2.6	0.04	0.54	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	15/15	10.9	43.3	D-SB-793-SS	--	--	20.9	20.9	7.8	15	39 N[16]	1	730	0	3600	0
ZINC	21/29	2.9	139 J	D-SS-787-01	3.1	31	41.2	33.1	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	22/29	8600 J	1800000	SB-32A-SS	11000	18000	180136	138172	230000	4	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	8/29	71 J	4800	SB-66-SS	48	140	1476	434	230000	0	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	9/15	0.32 J	1.3	D-SS-784-01	0.28	0.32	0.62	0.43	23	0	0.29 C	9	42	0	0.0166	9

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-2

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHENE	1/84	1.1	J	1.1	J	D-SB-793-09	0.36	17	1.1	1.2	390000	0	24000	N	0	2900	0	2400	0
1,2,3-TRIMETHYLBENZENE	6/60	0.15	J	23	J	D-SB-786-03	0.12	0.41	5.9	0.66	NC	NC	NC		NC	NC	NC	NC	NC
1,2,4-TRIMETHYLBENZENE	3/84	0.74	J	41	J	D-SB-786-03	0.45	7	20.2	1.8	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	37/84	1.3	J	52		D-SB-792-03	0.98	120	7.1	12.3	4700000	0	2800000	N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	2/84	0.34	J	0.85	J	D-SB-788-03	0.15	7	0.60	1.0	NC	NC	NC		NC	NC	NC	NC	NC
ACETONE	10/84	59	J	400	J	D-SB-791-05	4.4	390	197	52.6	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/84	0.79	J	0.79	J	D-SB-786-09	0.16	11	0.79	1.1	12000	0	1100	C	0	1.9	0	4.2	0
BROMOMETHANE	1/84	0.49		0.49		D-SB-783-09	0.38	27	0.49	1.3	11000	0	730	N	0	41	0	44	0
CARBON DISULFIDE	5/84	0.45	J	35	J	D-SB-786-03	0.31	11	7.6	1.7	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	3/84	0.67	J	40	J	D-SB-786-03	0.18	7	17.9	1.6	780000	0	5400	C	0	15000	0	34	1
ISOPROPYLBENZENE	2/84	3.1	J	5.2	J	D-SB-786-03	0.11	7	4.2	1.1	780000	0	210000	N	0	64000	0	22000	0
M+P-XYLENES	3/84	6	J	68	J	D-SB-786-03	0.84	20	31.7	3.4	1600000 [6]	0	63000	N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	12/84	5	J	120	J	D-SB-786-03, D-SB-786-05	0.47	7	27.4	4.8	85000	0	11000	C	0	19	2	24	2
N-PROPYLBENZENE	2/84	1.2	J	2.6	J	D-SB-789-05	0.28	13	1.9	1.2	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	3/84	16		4000		D-SB-786-03	0.13	7	1972	71.6	160000	0	3600	C	1	150	2	9.4	3
O-XYLENE	4/84	2	J	50	J	D-SB-786-03	0.24	20	26.8	2.5	1600000 [6]	0	380000	N	0	3000 [6]	0	24000	0
TOLUENE	5/84	0.26	J	0.71	J	D-SB-792-03	0.19	16	0.48	1.2	630000	0	500000	N	0	27000	0	32000	0
TOTAL XYLENES	4/60	2.9	J	120	J	D-SB-786-03	0.47	0.78	51.5	3.7	1600000 [6]	0	63000	N	0	3000 [6]	0	4000	0
Semivolatile Organics (ug/kg)																			
BIS(2-ETHYLHEXYL)PHTHALATE	12/84	22	J	110		D-SB-784-09	21	3900	39.8	111	46000	0	35000	C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	1/84	36	J	36	J	D-SB-795-07	11	3900	36.0	105	NC	NC	260000	C	0	NC	NC	10200	0
CARBAZOLE	3/84	33	J	180		D-SB-787-03	30	3900	111	114	32000	0	NC		NC	470	0	NC	NC
DI-N-BUTYL PHTHALATE	2/84	61	J	76	J	SB-66-10	17	3900	68.5	104	780000	0	610000	N	0	5000000	0	184000	0
DI-N-OCTYL PHTHALATE	1/84	76	J	76	J	SB-63-05	30	3900	76.0	111	NC	NC	NC		NC	NC	NC	NC	NC
DIBENZOFURAN	8/84	8.9	J	120		D-SB-787-03	3.6	3900	43.5	103	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/84	62	J	62	J	SB-58-05	19	3900	62.0	107	NC	NC	NC		NC	NC	NC	NC	NC
PHENOL	2/84	670		690		SB-58-10	30	3900	680	124	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	15/73	8.6		610		D-TP-2-3-6-7	3.5	200	120	27.6	NC	NC	22000	C	0	NC	NC	240	4
2-METHYLNAPHTHALENE	26/157	7.9		600		D-SB-777-07, D-TP-2-3-6-7	3.5	3900	102	72.8	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	33/157	8.2		2400		D-SB-774-03	3.6	3900	189	91.9	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	18/157	9		420		D-TP-2-3-6-7	3.6	3900	77	64.9	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	41/157	5.25		9200		D-SB-774-03	3.6	3900	386	153	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	222/431	2.4		24437		D-SB-774-03	1.4	4200	438	247	22	168	15		190	NC	NC	70	101
BAP EQUIVALENT-POSITIVE RESULTS[17]	222/431	0.79		24437		D-SB-774-03	1.4	4200	413	234	22	163	15	C	183	120	77	70	100
BENZO(A)ANTHRACENE	167/350	4	J	26000		D-SB-774-03	1	490	419	211	220	32	150	C	46	480	20	200	33
BENZO(A)PYRENE	206/431	3	J	16000		D-SB-774-03	1.4	4200	313	171	22	151	15	C	175	120	61	70	91
BENZO(B)FLUORANTHENE	179/350	6.1	J	25000		D-SB-774-03	1.3	3800	442	243	220	36	150	C	58	1500	8	700	15
BENZO(G,H,I)PERYLENE	50/157	8.1		7500		D-SB-774-03	3.6	3900	286	143	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	135/350	5.5		10000		D-SB-774-03	1.6	3800	226	104	2200	1	1500	C	4	15000	0	7000	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	4/10	130	J	3300	J	D-TP-2-2-6-7	75	84	1468	610	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	4/10	140	J	5900	J	D-TP-2-2-6-7	75	84	2645	1081	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLURENES	1/10	1100	J	1100	J	D-TP-2-2-6-7	75	84	1100	145	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	3/10	93	J	6900	J	D-TP-2-2-6-7	75	84	3031	937	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	3/10	86	J	1500	J	D-TP-2-2-6-7	75	84	809	270	NC	NC	NC		NC	NC	NC	NC	NC
C2-FLURENES	1/10	870	J	870	J	D-TP-2-2-6-7	75	84	870	122	NC	NC	NC		NC	NC	NC	NC	NC
C2-NAPHTHALENES	1/10	4100	J	4100	J	D-TP-2-2-6-7	75	84	4100	445	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/10	870	J	3900	J	D-TP-2-2-6-7	75	84	2385	508	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/10	380	J	520	J	D-TP-2-2-6-7	75	84	450	121	NC	NC	NC		NC	NC	NC	NC	NC
C3-FLUORENES	1/10	600	J	600	J	D-TP-2-2-6-7	75	84	600	95.2	NC	NC	NC		NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/10	2800	J	2800	J	D-TP-2-2-6-7	75	84	2800	315	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	2/10	360	J	1700	J	D-TP-2-2-6-7	75	84	1030	237	NC	NC	NC		NC	NC	NC	NC	NC
C4-NAPHTHALENES	1/10	1300	J	1300	J	D-TP-2-2-6-7	75	84	1300	165	NC	NC	NC		NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/10	520	J	520	J	D-TP-2-2-6-7	75	84	520	87.2	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	164/350	4.7	J	27000		D-SB-774-03	0.98	490	425	210	22000	1	15000	C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	70/350	3.05		2500		D-SB-774-03	1.4	3900	125	50.2	22	41	15	C	56	460	5	220	8
FLUORANTHENE	66/157	8.9		73000		D-SB-774-03	3.6	490	1553	676	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	34/157	8.5		3200		D-SB-774-03	3.6	3900	224	101	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	151/350	2.5	J	7100		D-SB-774-03	1.6	3900	207	113	220	24	150	C	32	4200	1	2400	2
NAPHTHALENE	34/157	8.9		1600		D-SB-777-07	3.6	3900	151	86.9	160000	0	3600	C	0	150	8	9.4	31

Table 4-2

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
PHENANTHRENE	53/157	9	44000	D-SB-774-03	3.6	3900	1279	481	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	70/157	7.8 L	54000	D-SB-774-03	3.6	490	1170	545	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
4,4'-DDE	1/62	34 J	34 J	D-SB-790-05	0.43	25	34.0	1.5	1900	0	1400 C	0	35000	0	940	0
AROCLOR-1260	1/96	240	240	D-SB-790-05	19	360	240	45.3	320	0	220 C	1	NC	NC	480	0
BETA-BHC	1/62	1.3 J	1.3 J	D-SB-792-03	1.2	66	1.3	2.1	350	0	270 C	0	3.1	0	4.4	0
TOTAL AROCLOR	1/96	240	240	D-SB-790-05	0	0	240	2.5	320 [10]	0	220 C[11]	1	410 [10]	0	NC	NC
Inorganics (mg/kg)																
ANTIMONY	34/84	0.065 J	1	SB-247-10	0.027	3.6	0.28	0.47	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	83/89	0.65 L	14.3	D-SB-786-07	0.51	3	4.4	4.2	0.43	83	0.39 C	83	0.026	83	0.026	83
BARIUM	66/66	5.2 J	48.1	D-SB-783-03	--	--	19.1	19.1	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	67/90	0.28	6.6 J	D-SB-795-03	2.5	3.6	2.2	2.0	16	0	16 N	0	1200	0	1160	0
CADMIUM	29/90	0.017 J	1.1	D-SB-788-03	0.0089	3.6	0.17	0.46	3.9	0	7 N	0	27	0	28	0
CHROMIUM	90/90	2.2	120 J	SB-60-10	--	--	22.3	22.3	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	66/66	2 J	33	D-SB-792-03	--	--	10.1	10.1	NC	NC	2.3 N	65	NC	NC	9.8	24
COPPER	89/90	4 J	110 J	D-SB-784-07	2.7	2.7	22.7	22.5	310	0	310 N	0	11000	0	1020	0
IRON	60/60	1420	72900 J	D-SB-787-09	--	--	27943	27943	5500	56	5500 N	56	NC	NC	12800	51
LEAD	88/90	2.9 J	1010	D-SB-783-03	2.6	2.7	23.4	22.9	400	1	400	1	NC	NC	280 [13]	1
Inorganics (mg/kg) (continued)																
MANGANESE	60/60	5.9 J	326 J	D-SB-794-03	--	--	56.9	56.9	160	2	180 N	1	950	0	1140	0
MERCURY	57/171	0.021 J	3.3	SB-33-05	0.002	0.15	0.34	0.13	2.3 [14]	1	2.3 N[15]	1	NC	NC	NC	NC
MOLYBDENUM	56/66	0.16 J	1.2	D-SB-796-05	0.072	0.9	0.55	0.50	NC	NC	39 N	0	NC	NC	74	0
NICKEL	85/90	3.7 K	53.2 J	D-SB-795-03	2.7	3.6	20.8	19.8	160	0	150 N	0	NC	NC	960	0
SELENIUM	68/90	0.45 J	11 L	SB-31-05	2.5	3.6	2.1	1.9	39	0	39 N	0	19	0	19	0
SILVER	16/67	0.038 J	1.9	D-SB-792-03	0.018	3	0.40	0.13	39	0	39 N	0	31	0	32	0
THALLIUM	31/90	0.018 J	0.17 J	D-SB-782-07	0.016	2.9	0.08	0.39	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	66/66	2.1	90.5	SB-249-10	--	--	38.6	38.6	7.8	65	39 N[16]	30	730	0	3600	0
ZINC	77/90	7 L	205 J	D-SB-788-03	26	36	54.6	48.9	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	53/84	3400 J	230000	D-SB-790-07	3200	27000	32626	22484	230000	0	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	3/84	150	250	D-SB-786-03	51	150	197	43.7	230000	0	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	30/64	0.33 J	1.1	D-SB-788-03	0.3	0.37	0.61	0.37	23	0	0.29 C	30	42	0	0.0166	30
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	2/2	0.31 K	0.474 K	SB-249-05	--	--	0.39	0.39	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	84/84	62.5	89.6	SB-323-0203, SB-324-0203	--	--	83.3	83.3	NC	0	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-3

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)															
1,2,3-TRIMETHYLBENZENE	2/45	0.16	J	3.2	J	D-SB-786-13	0.12	0.2	1.7	0.15	NC	NC	NC		NC
2-BUTANONE	8/55	1.3	J	4	J	D-SB-791-13	1.1	120	2.2	7.6	4700000	0	2800000	N	0
ACETONE	3/55	100		230		D-SB-788-15	5.1	350	147	31.8	7000000	0	6100000	N	0
BENZENE	3/55	3.4	J	20	J	D-SB-786-13	0.18	6	11.1	1.2	12000	0	1100	C	0
CHLOROMETHANE	1/55	0.7	J	0.7	J	D-SB-785-13	0.33	13	0.70	0.91	NC	NC	12000	N	0
ETHYLBENZENE	2/55	0.35	J	9.2	J	D-SB-786-13	0.21	6	4.8	0.84	780000	0	5400	C	0
M+P-XYLENES	2/55	12	J	20	J	D-SB-786-13	0.96	13	16.0	2.1	1600000 [6]	0	63000	N[7]	0
METHYLENE CHLORIDE	6/55	8	J	77	J	D-SB-786-13	0.53	7	31.0	4.0	85000	0	11000	C	0
NAPHTHALENE	3/55	47		530		D-SB-786-13	0.15	6	279	16.0	160000	0	3600	C	0
O-XYLENE	3/55	0.57	J	12	J	D-SB-786-13	0.28	6	6.3	1.0	1600000 [6]	0	380000	N	0
STYRENE	1/55	0.16	J	0.16	J	D-SB-791-13	0.12	6	0.16	0.68	1600000	0	630000	N	0
TERT-AMYL METHYL ETHER	1/45	0.96	J	0.96	J	D-SB-793-13	0.26	0.43	0.96	0.18	NC	NC	NC		NC
TOLUENE	6/55	0.28	J	31	J	D-SB-786-13	0.22	6	7.6	1.5	630000	0	500000	N	0
TOTAL XYLENES	3/45	1	J	32	J	D-SB-786-13	0.53	0.78	17.0	1.4	1600000 [6]	0	63000	N	0
TRICHLOROFLUOROMETHANE	1/55	0.35	J	0.35	J	D-SB-793-11	0.27	14	0.35	0.90	NC	NC	79000	N	0
Semivolatile Organics (ug/kg)															
BIS(2-ETHYLHEXYL)PHTHALATE	6/55	23	J	140		D-SB-790-13	21	4200	67.2	118	46000	0	35000	C	0
BUTYL BENZYL PHTHALATE	3/55	22	J	29	J	D-SB-789-13	11	4200	26.3	109	NC	NC	260000	C	0
PHENOL	3/55	520		590		SB-58-20	30	4200	553	135	2300000	0	1800000	N	0
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	12/47	11		190		D-SB-772-15	3.7	15	53.3	15.2	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	14/102	8.5		390		D-SB-772-15	3.7	4200	79.6	68.1	31000	0	31000	N	0
ACENAPHTHENE	13/102	13		900		D-SB-772-15	3.7	4200	142	75.2	470000	0	340000	N	0
ACENAPHTHYLENE	18/102	8.2		2700		D-SB-778-13	3.7	4200	236	98.8	470000	0	340000	N[8]	0
ANTHRACENE	21/102	10		1600		D-SB-772-15	3.7	4200	217	102	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[15]	73/195	5.8		6217		D-SB-778-13	1.5	440	419	166	22	62	15		69
BAP EQUIVALENT-POSITIVE RESULTS[15]	73/195	1.3		6217		D-SB-778-13	1.5	440	351	141	22	62	15	C	68
BENZO(A)ANTHRACENE	63/195	8.5		2500		D-SB-778-13	1.1	4200	232	94.8	220	13	150	C	20
BENZO(A)PYRENE	71/195	8		4400		D-SB-778-13	1.5	440	263	105	22	58	15	C	65
BENZO(B)FLUORANTHENE	71/195	9.3		4600		D-SB-778-13	1.3	4200	302	130	220	22	150	C	25
BENZO(G,H,I)PERYLENE	26/102	10		3800		D-SB-778-13	3.7	4200	310	136	230000	0	170000	N[9]	0
BENZO(K)FLUORANTHENE	59/195	8.8		1400		D-SB-778-13	1.9	4200	150	65.4	2200	0	1500	C	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	130	J	370	J	D-SB-774-15-D, D-SB-770-15	79	89	310	131	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	2/6	160	J	610	J	D-SB-774-15-D	79	89	398	160	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	2/6	140	J	360	J	D-SB-774-15-D	78	89	170	84.3	NC	NC	NC		NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	84	J	240	J	D-SB-770-15	79	89	179	87.3	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	2/6	99.5		170	J	D-SB-770-15	78	89	135	72.7	NC	NC	NC		NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	59.5		99	J	D-SB-770-15	78	89	79.3	54.2	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	2/6	67.5		130	J	D-SB-770-15	78	89	98.8	60.7	NC	NC	NC		NC
CHRYSENE	64/195	8.7		3000		D-SB-778-13	1	440	261	94.3	22000	0	15000	C	0
DIBENZO(A,H)ANTHRACENE	26/195	11		820		D-SB-778-13	1.5	4200	82.1	41.2	22	18	15	C	20
FLUORANTHENE	31/102	9.9		7100		D-SB-772-15	3.7	440	576	192	310000	0	230000	N	0
FLUORENE	13/102	13		950		D-SB-772-15	3.7	4200	146	75.8	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	65/195	7.7		2700		D-SB-778-13	1.7	4200	169	86.5	220	12	150	C	17
NAPHTHALENE	15/102	11		990		D-SB-772-15	3.7	4200	135	77.0	160000	0	3600	C	0
PHENANTHRENE	20/102	8.3		5600		D-SB-772-15	3.7	4200	526	160	2300000	0	170000	N[9]	0
PYRENE	32/102	12		5200		D-SB-772-15	3.7	440	676	229	230000	0	170000	N	0

Table 4-3

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Inorganics (mg/kg)															
ANTIMONY	25/52	0.051	J	0.83	J	D-SB-792-13	0.027	2.9	0.31	0.33	3.1	0	3.1	N	0
ARSENIC	52/56	0.43	J	8.2	L	D-SB-791-15	0.52	2	3.4	3.2	0.43	51	0.39	C	52
BARIUM	46/46	4.4	J	25.2		D-SB-788-11	--	--	13.6	13.6	1600	0	1500	N	0
BERYLLIUM	44/56	0.3	J	10.5		D-SB-789-13	0.057	3.1	2.7	2.4	16	0	16	N	0
CADMIUM	14/56	0.023	J	0.12	K	D-SB-785-13	0.0092	3.1	0.06	0.27	3.9	0	7	N	0
CHROMIUM	54/56	2.1	J	56.1		D-SB-791-15	2.8	2.8	20.5	19.8	12000 [11]	0	12000	N[11]	0
COBALT	46/46	1.5		21.3		D-SB-789-13	--	--	8.5	8.5	NC	NC	2.3	N	43
COPPER	55/56	3		56.2		D-SB-785-13	2.8	2.8	17.5	17.2	310	0	310	N	0
IRON	45/45	462	J	134000		D-SB-792-13	--	--	28870	28870	5500	39	5500	N	39
LEAD	50/56	1.3		20	J	SB-58-15	2.6	3	6.6	6.0	400	0	400		0
Inorganics (continued) (mg/kg)															
MANGANESE	45/45	1.6		341		D-SB-789-13			43.2	43.2	160	1	180	N	1
MERCURY	1/56	0.059	J	0.059	J	D-SB-785-13	0.002	0.12	0.06	0.02	2.3 [12]	0	2.3	N[13]	0
MOLYBDENUM	38/46	0.078	J	1.5		D-SB-791-15, D-SB-792-13	0.072	0.6	0.51	0.43	NC	NC	39	N	0
NICKEL	54/56	2.5	J	54.1		D-SB-789-13	2.6	2.8	19.6	18.9	160	0	150	N	0
SELENIUM	46/56	0.57	J	5		SB-248-15	2.5	3.1	1.8	1.7	39	0	39	N	0
SILVER	6/47	0.026	J	0.082	J	D-SB-782-13	0.018	2.8	0.04	0.04	39	0	39	N	0
THALLIUM	21/56	0.037	J	0.15	J	D-SB-788-11	0.041	2.4	0.09	0.26	0.55	0	NC		NC
VANADIUM	46/46	1.6		111		D-SB-792-13	--	--	35.8	35.8	7.8	40	39	N[14]	18
ZINC	48/56	3.4	J	114		D-SB-785-13	26	30	37.0	33.7	2300	0	2300	N	0
Petroleum Hydrocarbons (ug/kg)															
DIESEL RANGE ORGANICS	15/55	3400	J	17000		D-SB-785-13	3100	13000	5660	3588	230000	0	NC		NC
GASOLINE RANGE ORGANICS	1/55	79	J	79	J	D-SB-786-13	52	130	79.0	34.2	230000	0	NC		NC
Miscellaneous Parameters (mg/kg)															
HEXAVALENT CHROMIUM	19/46	0.31	J	0.88	J	D-SB-785-11	0.3	0.35	0.54	0.32	23	0	0.29	C	19
TOTAL ORGANIC CARBON	1/1	319	J	319	J	MRC-MW40[1214]	--	--	319	319	NC	NC	NC		NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for trivalent chromium.
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.
15 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	2E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	5E-07	--	--	--	0.01	--
		Inhalation	4E-07	--	--	--	0.6	--
		Total	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.9	--
	Subsurface Soil	Incidental Ingestion	9E-07	--	--	--	0.3	--
		Dermal Contact	2E-07	--	--	--	0.01	--
		Inhalation	6E-07	--	--	--	0.6	--
		Total	2E-06	--	--	--	1	--
Industrial Worker	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	5E-09	--	--	--	0.0003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.05	--
		Dermal Contact	3E-06	--	--	--	0.01	--
		Inhalation	2E-07	--	--	--	0.005	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.07	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.4	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.02	--
		Inhalation	8E-10	--	--	--	0.00007	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.4	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-09	--	--	--	0.00007	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.08	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.001	--
		Total	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-09	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	5E-09	--	--	--	0.0003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.05	--
		Dermal Contact	3E-06	--	--	--	0.01	--
		Inhalation	2E-07	--	--	--	0.005	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.07	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.04	--
		Inhalation	3E-09	--	--	--	0.0003	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.8	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1.0	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.04	--
		Inhalation	5E-08	--	--	--	0.005	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.008	--
		Inhalation	4E-09	--	--	--	0.0003	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	2E-06	--	--	--	0.009	--
		Inhalation	9E-08	--	--	--	0.005	--
		Total	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
Adult Recreational User	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.006	--
		Inhalation	2E-09	--	--	--	0.0003	--
		Total	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.1	--
		Dermal Contact	8E-07	--	--	--	0.007	--
		Inhalation	9E-08	--	--	--	0.005	--
		Total	3E-06	--	--	--	0.1	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-09	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-07	--	--	--	NA	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.05	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	1	--
	Subsurface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.06	--
		Inhalation	2E-07	--	--	--	0.02	--
		Total	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Resident	Surface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.001	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	4E-07	--	--	--	0.02	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.008	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	ARSENIC	0.1	--
		Dermal Contact	1E-06	--	--	--	0.009	--
		Inhalation	4E-07	--	--	--	0.02	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-07	--	--	--	NA	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-5

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,2,3-TRICHLOROBENZENE	8/42	11 J	43000 J	E-SB-833K-02	0.29	6.5	10353	1974	NC	NC	4900 N	2	NC	NC	1740	2
1,2,3-TRIMETHYLBENZENE	2/34	0.2 J	0.35 J	SB-503-0001-AVG, SB-503-0001	0.13	7.1	0.28	1.9	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4-TRICHLOROBENZENE	8/42	47 J	210000	E-SB-833K-02	0.22	6.5	49173	9368	78000	2	6200 N[6]	2	2400	2	136	7
1,2-DICHLOROBENZENE	4/42	3.4 J	970 J	E-SB-833E-02	0.27	360	255	30.7	700000	0	190000 N	0	4600	0	7200	0
1,3-DICHLOROBENZENE	4/42	0.33 J	1100 J	E-SB-833K-02	0.27	190	283	31.4	23000	0	NC	NC	290	1	NC	NC
1,4-DICHLOROBENZENE	7/42	1.3 J	2700 J	E-SB-833K-02	0.5	6.5	615	105	27000	0	2400 C	1	4.2	6	8.2	6
2-BUTANONE	4/42	2.7 J	88 J	E-SB-833J-02	1.1	1800	25.0	53.0	4700000	0	2800000 N	0	29000	0	30000	0
ACETONE	11/42	7.3 J	230 J	E-SB-833F-02	4.8	9800	41.3	221	7000000	0	6100000 N	0	22000	0	90000	0
CARBON DISULFIDE	3/42	0.66 J	0.95 J	SB-506-0001-AVG, SB-506-0001	0.33	500	0.81	13.9	780000	0	82000 N	0	19000	0	6200	0
CHLOROBENZENE	1/42	12	12	E-SB-833G-02	0.25	270	12.0	8.8	160000	0	29000 N	0	680	0	1240	0
METHYLENE CHLORIDE	8/42	8 J	88 J	E-SB-833F-02	0.51	3200	18.3	81.1	85000	0	11000 C	0	19	1	24	1
NAPHTHALENE	1/42	58	58	SB-4A-SS	0.14	280	58.0	9.9	160000	0	3600 C	0	150	0	9.4	1
O-XYLENE	1/42	0.43 J	0.43 J	SB-503-0001-AVG, SB-503-0001	0.27	360	0.43	10.6	1600000 [7]	0	380000 N	0	3000 [7]	0	24000	0
TERTIARY-BUTYL ALCOHOL	2/2	390 J	620 J	E-SB-833L-02			505	505	NC	NC	NC	NC	NC	NC	NC	NC
TETRACHLOROETHENE	1/42	1.8 J	1.8 J	E-SB-833N-02	0.4	500	1.8	14.1	1200	0	550 C	0	4.7	0	0.98	1
TOLUENE	3/42	0.31 J	0.46 J	SB-503-0001, SB-503-0001-AVG	0.21	710	0.38	19.0	630000	0	500000 N	0	27000	0	32000	0
TOTAL XYLENES	2/34	1.1 J	1.2 J	SB-500-0001	0.51	340	1.2	13.6	1600000 [7]	0	63000 N	0	3000 [7]	0	4000	0
Semivolatile Organics (ug/kg)																
2-NITROANILINE	1/29	44 J	44 J	SB-6A-SS	720	15000	44.0	939	NC	NC	61000 N	0	NC	NC	3000	0
BIS(2-ETHYLHEXYL)PHTHALATE	7/29	24 J	93 J	SB-505-0001	360	7600	46.1	367	46000	0	35000 C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	2/29	78 J	120 J	SB-507-0001	360	7600	99.0	443	NC	NC	260000 C	0	NC	NC	10200	0
CAPROLACTAM	1/29	140 J	140 J	SB-1A-SS	360	7600	140	448	NC	NC	3100000 N	0	NC	NC	90000	0
CARBAZOLE	5/29	27 J	430 J	SB-503-0001	360	7600	97.2	383	32000	0	NC	NC	470	0	NC	NC
DI-N-BUTYL PHTHALATE	1/29	28 J	28 J	SB-505-0001	360	7600	28.0	444	780000	0	610000 N	0	5000000	0	184000	0
DIBENZOFURAN	2/29	34 J	250 J	SB-4A-SS	360	7600	142	399	7800	0	7800 N	0	NC	NC	13600	0
PAHs (ug/kg)																
2-METHYLNAPHTHALENE	4/42	9.8 J	190 J	SB-503-0001	3.7	7600	45.5	267	31000	0	31000 N	0	4400	0	15000	0
ACENAPHTHENE	7/42	7.5 J	470 J	SB-503-0001	3.7	7600	94.9	267	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	4/42	13 J	330 J	SB-503-0001	3.7	7600	73.3	248	470000	0	340000 N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	9/42	16 J	1500 J	SB-503-0001	3.7	7600	217	269	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	19/42	7.0	10999	SB-503-0001	3.7	3600	1223	649	22	18	15	18	NC	NC	70	18
BAP EQUIVALENT-POSITIVE RESULTS[17]	19/42	1.2	10999	SB-503-0001	3.7	3600	874	491	22	14	15 C	16	120	10	70	11
BENZO(A)ANTHRACENE	17/42	12 J	7300	SB-503-0001	3.7	3600	679	380	220	8	150 C	9	480	5	200	8
BENZO(A)PYRENE	16/42	14 J	7600	SB-503-0001	3.7	3600	715	377	22	13	15 C	14	120	8	70	10
BENZO(B)FLUORANTHENE	19/42	12 J	8100	SB-503-0001	3.7	3600	745	433	220	7	150 C	9	1500	3	700	5
BENZO(G,H,I)PERYLENE	15/42	8 J	5000 J	SB-503-0001	3.7	7600	487	370	230000	0	170000 N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	12/42	8.7 J	3100 J	SB-503-0001	3.7	7600	484	348	2200	0	1500 C	2	15000	0	7000	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/7	120 J	170 J	E-SB-828-SS	75	85	145	69.9	NC	NC	NC	NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/7	85 J	150 J	E-SB-835-SS	75	85	118	62.0	NC	NC	NC	NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	1/7	88 J	88 J	E-SB-835-SS	75	85	88.0	46.5	NC	NC	NC	NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	260 J	260 J	E-SB-828-SS	75	85	260	71.3	NC	NC	NC	NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/7	86 J	96 J	E-SB-833-SS	75	81	91.0	54.1	NC	NC	NC	NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	200 J	200 J	E-SB-828-SS	75	85	200	62.7	NC	NC	NC	NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	1/7	160 J	160 J	E-SB-828-SS	75	85	160	57.0	NC	NC	NC	NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	170 J	170 J	E-SB-828-SS	75	85	170	58.4	NC	NC	NC	NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/7	110 J	110 J	E-SB-828-SS	75	85	110	49.9	NC	NC	NC	NC	NC	NC	NC	NC
CHRYSENE	17/42	13 J	7700	SB-503-0001	1.2	3600	665	373	22000	0	15000 C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	7/42	14 J	1400 J	SB-503-0001	3.7	7600	270	277	22	6	15 C	6	460	2	220	2
FLUORANTHENE	21/42	9.5 J	14000	SB-503-0001	3.7	400	1087	599	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	6/42	8.8	580 J	SB-503-0001	3.7	7600	94.4	269	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	14/42	9.2 J	4200 J	SB-503-0001	3.7	7600	464	355	220	6	150 C	6	4200	0	2400	0
NAPHTHALENE	8/42	10 J	410	E-SB-833A-02	3.7	7600	92.8	279	160000	0	3600 C	0	150	1	9.4	8
PHENANTHRENE	16/42	9.4 J	5600 J	SB-503-0001	3.7	3600	536	309	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	20/42	13 J	16000	SB-503-0001	3.7	400	1068	569	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
AROCLOR-1242	2/220	32 J	58	SB-235-SS	14	740000	45.0	3526	320	0	220 C	0	NC	NC	106	0

Table 4-5

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
AROCLOR-1254	3/220	51	36000	SB-555-SS0-0.5	17	740000	13617	3746	320	2	110 N[6]	2	1100	2	176	2
AROCLOR-1260	129/220	4.3 J	1800000	SB-353-0001	17	290	58917	34555	320	75	220 C	77	NC	NC	480	73
TOTAL AROCLOR	130/220	4.3	1800000	SB-353-0001	0	0	58779	34733	320 [10]	75	220 C[11]	77	410 [10]	73	NC	NC
Inorganics (mg/kg)																
ANTIMONY	15/29	0.031 L	2.2 J	SB-503-0001	0.059	2.9	0.33	0.56	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	29/29	0.52 J	9.6 J	SB-510-0001	--	--	1.8	1.8	0.43	29	0.39 C	29	0.026	29	0.026	29
BARIUM	21/21	9	153	SB-504-0001	--	--	32.2	32.2	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	21/29	0.12	2	SB-507-0001	2.4	2.9	0.80	0.95	16	0	16 N	0	1200	0	1160	0
CADMIUM	20/29	0.0125	6.4	SB-505-0001	0.012	2.9	0.53	0.74	3.9	1	7 N	0	27	0	28	0
CHROMIUM	29/29	6.3 J	83.7 J	SB-505-0001	--	--	15.2	15.2	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	21/21	2.1	27.2	SB-508-0001	--	--	5.9	5.9	NC	NC	2.3 N	19	NC	NC	9.8	3
COPPER	29/29	3.8 J	27.9 J	SB-510-0001	--	--	11.9	11.9	310	0	310 N	0	11000	0	1020	0
IRON	21/21	5610	29900	SB-518-0001	--	--	15185	15185	5500	21	5500 N	21	NC	NC	12800	15
LEAD	27/29	2 J	278 J	SB-505-0001	2.8	2.9	23.0	21.6	400	0	400	0	NC	NC	280 [13]	0
MANGANESE	21/21	11.2	1370 J	SB-503-0001	--	--	118	118	160	2	180 N	2	950	0	1140	0
MERCURY	8/29	0.061	0.41	SB-504-0001	0.019	0.12	0.18	0.07	2.3 [14]	0	2.3 N[15]	0	NC	NC	NC	NC
MOLYBDENUM	4/21	0.3775	3.2 J	SB-510-0001	0.077	0.78	1.4	0.36	NC	NC	39 N	0	NC	NC	74	0
Inorganics (mg/kg) (continued)																
NICKEL	29/29	3.2 J	20	SB-3A-SS			9.5	9.5	160	0	150 N	0	NC	NC	960	0
SELENIUM	12/29	0.24	1.1 L	SB-511-0001	0.18	2.9	0.45	0.59	39	0	39 N	0	19	0	19	0
SILVER	21/27	0.031	0.38	SB-505-0001	0.035	2.9	0.11	0.38	39	0	39 N	0	31	0	32	0
THALLIUM	11/29	0.026 K	0.38	SB-504-0001	0.02	2.3	0.09	0.34	0.55	0	NC	0	3.6	0	NC	NC
VANADIUM	21/21	8.5 J	60.7 J	SB-505-0001	--	--	19.3	19.3	7.8	21	39 N[16]	2	730	0	3600	0
ZINC	22/29	11.1	302	SB-505-0001	25	29	52.5	43.2	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	6/12	13000	8900000 J	E-SB-833A-02	11000	12000	1905500	955542	230000	4	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	5/13	64 J	1400	E-SB-833K-02	55	120	581	254	230000	0	NC	0	NC	NC	NC	NC
TPH (C10-C32)	13/21	2200 J	650000	SB-503-0001	610	22000	65277	42062	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	166/166	46.1	97	SB-569-SS0.5-1	--	--	85.4	85.4	NC	NC	NC	0	NC	NC	NC	NC
Radionuclides (pci/g)																
ACTINIUM-228	1/3	1.02	1.02	SB-42S-SS	0.03	0.15	1.0	0.37	--	--	--	--	--	--	--	--
BISMUTH-212	1/3	2.3	2.3	SB-42S-SS	0.1	0.1	2.3	0.80	--	--	--	--	--	--	--	--
BISMUTH-214	1/3	0.67 J	0.67 J	SB-42S-SS	0.1	0.38	0.67	0.30	--	--	--	--	--	--	--	--
CESIUM-137	1/3	0.145	0.145	SB-41S-SS	-0.048	0.08	0.15	0.05	--	--	--	--	--	--	--	--
LEAD-212	2/3	0.3	1.2	SB-42S-SS	0.3	0.3	0.75	0.55	--	--	--	--	--	--	--	--
LEAD-214	2/3	0.42 J	1.09 J	SB-42S-SS	0.25	0.25	0.76	0.55	--	--	--	--	--	--	--	--
POTASSIUM-40	3/3	3.4	9.2	SB-42S-SS	--	--	5.7	5.7	--	--	--	--	--	--	--	--
RADIUM-226	1/3	1.22 J	1.22 J	SB-42S-SS	0.32	0.51	1.2	0.55	--	--	--	--	--	--	--	--
THALLIUM-208	1/3	0.39	0.39	SB-42S-SS	0.075	0.1	0.39	0.16	--	--	--	--	--	--	--	--

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for xylenes.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,1-DICHLOROETHANE	3/100	0.48 J	0.69 J	SB-515-0406	0.26	44000	0.62	273	1600000	0	3300 C	0	5100	0	13.8	0
1,1-DICHLOROETHANE	3/100	0.48 J	0.69 J	SB-515-0810	0.26	44000	0.62	273	1600000	0	3300 C	0	5100	0	13.8	0
1,2,3-TRICHLOROBENZENE	32/100	0.6 J	2200000	E-SB-833-09	0.28	11	80223	25673	NC	NC	4900 N	10	NC	NC	1740	11
1,2,3-TRIMETHYLBENZENE	8/86	0.35 J	49 J	E-SB-833L-04	0.12	2900	23.1	26.5	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4-TRICHLOROBENZENE	32/100	5.9 J	9600000	E-SB-833-09	0.23	52	364319	116584	78000	7	6200 N[6]	10	2400	13	136	22
1,2,4-TRIMETHYLBENZENE	1/100	4.4 J	4.4 J	SB-500-0406	0.47	13000	4.4	93.9	NC	NC	6200 N	0	NC	NC	420	0
1,2-DICHLOROBENZENE	25/100	0.39 J	120000 J	E-SB-833-09	0.26	290	5460	1369	700000	0	190000 N	0	4600	2	7200	1
1,2-DICHLOROETHANE	2/100	1.5 J	51 J	E-SB-833K-10	0.25	26000	26.3	169	7000	0	430 C	0	1	2	0.84	2
1,3-DICHLOROBENZENE	14/100	0.39 J	38000 J	E-SB-833A-10	0.25	12000	5795	894	23000	2	NC	NC	290	4	NC	NC
1,4-DICHLOROBENZENE	28/100	1.6 J	130000 J	E-SB-833-09	0.48	290	6806	1909	27000	2	2400 C	6	4.2	27	8.2	26
2-BUTANONE	8/100	1.5 J	110 J	E-SB-833L-06	1	110000	25.8	679	4700000	0	2800000 N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	2/100	1.6 J	9	SB-504-0406	0.15	12000	5.3	88.7	NC	NC	NC	NC	NC	NC	NC	NC
ACETONE	42/100	7 J	16000 J	E-SB-833E-06	4.8	800000	430	4537	7000000	0	6100000 N	0	22000	0	90000	0
BENZENE	6/116	0.33 J	6	SB-21-10	0.17	31000	1.4	171	12000	0	1100 C	0	1.9	1	4.2	1
CARBON DISULFIDE	3/100	1.2 J	4.2 J	SB-506-0810	0.32	31000	2.6	198	780000	0	82000 N	0	19000	0	6200	0
CARBON TETRACHLORIDE	1/100	0.88 J	0.88 J	E-SB-833G-08	0.27	16000	0.88	112	4900	0	610 C	0	2.1	0	3.4	0
CHLOROBENZENE	12/100	1.8 J	4000 J	E-SB-833L-08	0.24	16000	523	170	160000	0	29000 N	0	680	2	1240	2
CIS-1,2-DICHLOROETHENE	4/100	0.37 J	9.7	SB-515-0406	0.26	18000	4.2	123	78000	0	16000 N	0	NC	NC	420	0
ISOPROPYLBENZENE	1/100	0.82 J	0.82 J	SB-504-0406	0.12	17000	0.82	117	780000	0	210000 N	0	64000	0	22000	0
M+P-XYLENES	2/100	2.1 J	14 J	E-SB-833L-04	0.87	16000	8.1	131	1600000 [7]	0	63000 N[8]	0	3000 [7]	0	4000	0
METHYLENE CHLORIDE	14/100	7 J	4800 J	E-SB-833E-06	0.49	360000	359	2014	85000	0	11000 C	0	19	2	24	2
N-BUTYLBENZENE	1/100	2900 J	2900 J	E-SB-833A-06	0.17	21000	2900	168	NC	NC	NC	NC	NC	NC	NC	NC
NAPHTHALENE	2/116	2	110 J	SB-512-0810	0.14	140000	41.3	632	160000	0	3600 C	0	150	0	9.4	1
O-XYLENE	3/100	0.8 J	1.4 J	SB-504-0406	0.25	22000	1.2	147	1600000 [7]	0	380000 N	0	3000 [7]	0	24000	0
SEC-BUTYLBENZENE	1/100	380 J	380 J	E-SB-833A-06	0.13	12000	380	91.6	NC	NC	NC	NC	NC	NC	NC	NC
TERTIARY-BUTYL ALCOHOL	7/8	7 J	1200 J	E-SB-833L-04	7200000	7200000	411	450360	NC	NC	NC	NC	NC	NC	NC	NC
TETRACHLOROETHENE	4/100	0.49 J	2.6 J	E-SB-833G-08	0.38	31000	1.5	198	1200	0	550 C	0	4.7	0	0.98	2
TOLUENE	18/116	0.21 J	270 J	E-SB-833I-10	0.2	44000	19.8	238	630000	0	500000 N	0	27000	0	32000	0
TOTAL XYLENES	6/102	1.5 J	14 J	E-SB-833L-04	0.49	21000	5.7	155	1600000 [7]	0	63000 N	0	3000 [7]	0	4000	0
TRICHLOROETHENE	3/100	0.32 J	2.2 J	E-SB-833G-08	0.3	25000	1.0	163	1600	0	2800 C	0	0.26	3	14.4	0
TRICHLOROFLUOROMETHANE	1/100	29	29	SB-520-0810	0.25	41000	29.0	257	NC	NC	79000 N	0	NC	NC	16600	0
VINYL CHLORIDE	3/100	0.48 J	3.5 J	SB-515-0406	0.28	46000	1.5	285	90	0	60 C	0	0.12	3	0.112	3
Semivolatile Organics (ug/kg)																
BIS(2-ETHYLHEXYL)PHTHALATE	4/54	24 J	38 J	SB-504-0810	370	62000	29.8	802	46000	0	35000 C	0	2900000	0	22000	0
CARBAZOLE	2/54	22 J	370 J	SB-504-0406	370	88000	196	1045	32000	0	NC	NC	470	0	NC	NC
DIBENZOFURAN	2/54	91 J	260 J	SB-504-0406	370	11000	176	331	7800	0	7800 N	0	NC	NC	13600	0
PAHs (ug/kg)																
2-METHYLNAPHTHALENE	3/100	12 J	140 J	SB-504-0406	3.8	11000	71.7	180	31000	0	31000 N	0	4400	0	15000	0
ACENAPHTHENE	4/100	21 J	27000	E-SB-833-09	3.8	3800	6889	398	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	1/100	18 J	18 J	SB-512-0810-AVG, SB-512-0810-D	3.8	11000	18.0	187	470000	0	340000 N[9]	0	100000	0	440000 [9]	0
ANTHRACENE	4/100	26 J	28000	E-SB-833-09	3.8	3800	7296	415	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[18]	19/100	60.2	39347	E-SB-833-09	3.8	3800	2455	568	22	19	15	19	NC	NC	70	18
BAP EQUIVALENT-POSITIVE RESULTS[18]	19/100	0.052	33242	E-SB-833-09	3.8	3800	1937	469	22	12	15 C	13	120	7	70	8
BENZO(A)ANTHRACENE	13/100	8.6 J	35000	E-SB-833-09	3.8	3800	2908	486	220	2	150 C	5	480	2	200	3
BENZO(A)PYRENE	13/100	10 J	27000	E-SB-833-09	3.8	3800	2278	408	22	11	15 C	12	120	5	70	8
BENZO(B)FLUORANTHENE	17/100	9.8 J	27000	E-SB-833-09	3.8	3800	1790	408	220	4	150 C	6	1500	2	700	2
BENZO(G,H,I)PERYLENE	9/100	11 J	710 J	SB-504-0406	3.8	11000	125	179	230000	0	170000 N[10]	0	680000	0	2400000 [10]	0
BENZO(K)FLUORANTHENE	8/100	9.2 J	770 J	SB-504-0406	3.8	11000	128	178	2200	0	1500 C	0	15000	0	7000	0

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
C1-CHRYSENES/BENZO(A)ANTHRACENES	1/7	490	J	490	J	E-SB-828-09	77	90	490	105	NC	NC	NC	NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	1/7	370	J	370	J	E-SB-828-09	77	90	370	87.4	NC	NC	NC	NC	NC	NC	NC	NC
C1-FLUORENES	1/7	170	J	170	J	E-SB-828-09	77	90	170	58.9	NC	NC	NC	NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	580	J	580	J	E-SB-828-09	77	90	580	117	NC	NC	NC	NC	NC	NC	NC	NC
C2-FLUORENES	1/7	330	J	330	J	E-SB-828-09	77	90	330	81.7	NC	NC	NC	NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	1/7	460	J	460	J	E-SB-828-09	77	90	460	100	NC	NC	NC	NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	430	J	430	J	E-SB-828-09	77	90	430	96.0	NC	NC	NC	NC	NC	NC	NC	NC
C3-FLUORENES	1/7	320	J	320	J	E-SB-828-09	77	90	320	80.3	NC	NC	NC	NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/7	500	J	500	J	E-SB-828-09	77	90	500	106	NC	NC	NC	NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	1/7	620	J	620	J	E-SB-828-09	77	90	620	123	NC	NC	NC	NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	350	J	350	J	E-SB-828-09	77	90	350	84.6	NC	NC	NC	NC	NC	NC	NC	NC
C4-NAPHTHALENES	1/7	2300	J	2300	J	E-SB-828-09	77	90	2300	363	NC	NC	NC	NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/7	660	J	660	J	E-SB-828-09	77	90	660	129	NC	NC	NC	NC	NC	NC	NC	NC
CHRYSENE	15/100	8.7	J	42000		E-SB-833-09	1.3	3800	2993	552	22000	1	15000 C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	2/100	61	J	200	J	SB-504-0406	3.8	11000	131	182	22	2	15 C	2	460	0	220	0
FLUORANTHENE	20/100	9.2	J	81000		E-SB-833-09	3.8	3800	4463	998	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	3/100	17	J	510	J	SB-504-0406	3.8	11000	182	183	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	7/100	10	J	680	J	SB-504-0406	3.8	11000	128	179	220	1	150 C	1	4200	0	2400	0
NAPHTHALENE	14/100	17		460		E-SB-833A-10	3.8	11000	134	195	160000	0	3600 C	0	150	5	9.4	14
PHENANTHRENE	10/100	10	J	88000		E-SB-833-09	3.8	3800	9295	1044	2300000	0	170000 N[10]	0	470000	0	2400000 [10]	0
PAHs (ug/kg) (continued)																		
PYRENE	20/100	9.2	J	60000		E-SB-833-09	3.8	3800	3294	764	230000	0	170000 N	0	680000	0	2400000	0
TOTAL PAHS	33/100	9.2		415000		E-SB-833-09	0	0	13736	4533	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides/PCBs (ug/kg)																		
AROCLOR-1254	3/255	27		9800		SB-555-4	17	1100000	3290	3683	320	1	110 N[6]	1	1100	1	176	1
AROCLOR-1260	93/255	15	J	2.4E+07		E-SB-833-09	17	300	319537	116546	320	38	220 C	45	NC	NC	480	31
TOTAL AROCLOR	95/255	8		2.4E+07		E-SB-833-09	0	0	312914	116576	320 [11]	38	220 C[12]	45	410 [11]	32	NC	NC
Inorganics (mg/kg)																		
ANTIMONY	17/54	0.056	L	0.26	J	SB-517-0406	0.0056	3.6	0.15	0.49	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	54/54	0.22	L	5.5	L	SB-1-05	--	--	1.3	1.3	0.43	45	0.39 C	48	0.026	54	0.026	54
BARIUM	40/40	1.6		89.2		SB-504-0810	--	--	12.7	12.7	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	40/54	0.076		4.4		SB-515-0810	0.015	3.5	1.2	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	25/54	0.016	K	0.67		SB-504-0406	0.0037	3.6	0.09	0.46	3.9	0	7 N	0	27	0	28	0
CHROMIUM	45/54	1.5	J	27	J	SB-4-05	3.3	14	9.5	8.5	12000 [13]	0	12000 N[13]	0	2000000000 [13]	0	1980000000 [13]	0
COBALT	40/40	0.18		9.1		SB-514-0406	--	--	3.3	3.3	NC	NC	2.3 N	23	NC	NC	9.8	0
COPPER	49/54	1	J	45		SB-1-05	3.3	3.4	9.9	9.2	310	0	310 N	0	11000	0	1020	0
IRON	40/40	1290		51200		SB-514-0810	--	--	14125	14125	5500	34	5500 N	34	NC	NC	12800	20
LEAD	47/54	0.71	J	14.4	J	SB-504-0406	2.8	3.4	3.9	3.6	400	0	400	0	NC	NC	280 [14]	0
MANGANESE	40/40	2.2	L	280	L	SB-514-0406	--	--	57.9	57.9	160	4	180 N	3	950	0	1140	0
MERCURY	2/54	0.079		0.29		SB-504-0810	0.019	0.14	0.18	0.03	2.3 [15]	0	2.3 N[16]	0	NC	NC	NC	NC
MOLYBDENUM	1/40	1.3	J	1.3	J	SB-504-0810	0.076	0.42	1.3	0.11	NC	NC	39 N	0	NC	NC	74	0
NICKEL	48/54	0.76	J	30		SB-1-10	0.39	3.3	8.4	7.6	160	0	150 N	0	NC	NC	960	0
SELENIUM	23/54	0.2	L	3.6		SB-6-05	0.18	3.6	0.60	0.68	39	0	39 N	0	19	0	19	0
SILVER	32/41	0.03		0.16		SB-504-0406	0.0079	2.8	0.07	0.09	39	0	39 N	0	31	0	32	0
THALLIUM	13/54	0.021	K	0.21	K	SB-504-0810	0.0052	2.9	0.06	0.36	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	40/40	2.2	J	21.1	J	SB-518-0406	--	--	12.4	12.4	7.8	29	39 N[17]	0	730	0	3600	0
ZINC	35/54	2.8		79		SB-1-05	5.2	35	25.6	20.6	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																		
DIESEL RANGE ORGANICS	11/41	7300	J	2.8E+07		E-SB-833-09	3300	29000	3046445	826079	230000	7	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	15/31	56	J	170000	J	E-SB-833A-10	55	280	21525	10446	230000	0	NC	NC	NC	NC	NC	NC
TPH (C10-C32)	10/39	640	J	48000		SB-502-0406	990	130000	18719	8653	NC	NC	NC	NC	NC	NC	NC	NC

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Miscellaneous Parameters (%)																
PERCENT SOLIDS	128/128	70	94	SB-570A-10, SB-559-4	--	--	83.6	83.6	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
TOTAL ORGANIC CARBON	1/1	690 J	690 J	MRC-MW43[0910]	--	--	690	690	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for polychlorinated biphenyls (high risk).
13 - The value is for trivalent chromium.
14 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
15 - The value is for mercury (inorganic/mercuric dichloride).
16 - The value is for mercuric chloride.
17 - The value is for vanadium and compounds.
18 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-7

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)												
ACETONE	1/1	45 J	45 J	SB-503-1012	--	--	45.0	45.0	7000000	0	6100000 N	0
PAHs (ug/kg)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/7	150 J	260 J	E-SB-828-15	79	88	205	88.2	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/7	220 J	250 J	E-SB-833-11	79	88	235	96.8	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	1/7	120 J	120 J	E-SB-833-11	79	88	120	52.9	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	350 J	350 J	E-SB-828-15	79	88	350	85.3	NC	NC	NC	NC
C2-FLUORENES	1/7	280 J	280 J	E-SB-828-15	79	88	280	75.3	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	1/7	230 J	230 J	E-SB-828-15	79	88	230	68.1	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	280 J	280 J	E-SB-828-15	79	88	280	75.3	NC	NC	NC	NC
C3-FLUORENES	1/7	230 J	230 J	E-SB-828-15	79	88	230	68.1	NC	NC	NC	NC
C3-NAPHTHALENES	1/7	310 J	310 J	E-SB-828-15	79	88	310	79.6	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	1/7	420 J	420 J	E-SB-828-15	79	88	420	95.3	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	250 J	250 J	E-SB-828-15	79	88	250	71.0	NC	NC	NC	NC
C4-NAPHTHALENES	1/7	1600 J	1600 J	E-SB-828-15	79	88	1600	264	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/7	390 J	390 J	E-SB-828-15	79	88	390	91.0	NC	NC	NC	NC
Pesticides/PCBs (ug/kg)												
AROCLOR-1260	23/92	26 J	61000	E-SB-833-11	19	39	3478	877	320	6	220 C	8
TOTAL AROCLOR	23/92	26	61000	E-SB-833-11	0	0	3478	870	320 [6]	6	220 C[7]	8
Inorganics (mg/kg)												
ANTIMONY	1/1	0.26 K	0.26 K	SB-503-1012	--	--	0.26	0.26	3.1	0	3.1 N	0
ARSENIC	1/1	1.7	1.7	SB-503-1012	--	--	1.7	1.7	0.43	1	0.39 C	1
BARIUM	1/1	12.8	12.8	SB-503-1012	--	--	12.8	12.8	1600	0	1500 N	0
BERYLLIUM	1/1	1.5	1.5	SB-503-1012	--	--	1.5	1.5	16	0	16 N	0
CADMIUM	1/1	0.043 K	0.043 K	SB-503-1012	--	--	0.04	0.04	3.9	0	7 N	0
CHROMIUM	1/1	14.1 J	14.1 J	SB-503-1012	--	--	14.1	14.1	12000 [8]	0	12000 N[8]	0
COBALT	1/1	3.3	3.3	SB-503-1012	--	--	3.3	3.3	NC	NC	2.3 N	1
COPPER	1/1	12.4 J	12.4 J	SB-503-1012	--	--	12.4	12.4	310	0	310 N	0
IRON	1/1	34200	34200	SB-503-1012	--	--	34200	34200	5500	1	5500 N	1
LEAD	1/1	5.8 J	5.8 J	SB-503-1012	--	--	5.8	5.8	400	0	400	0
MANGANESE	1/1	69.9	69.9	SB-503-1012	--	--	69.9	69.9	160	0	180 N	0
NICKEL	1/1	12.1	12.1	SB-503-1012	--	--	12.1	12.1	160	0	150 N	0

Table 4-7

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
SELENIUM	1/1	0.8		0.8		SB-503-1012	--	--	0.80	0.80	39	0	39	N	0
SILVER	1/1	0.1	K	0.1	K	SB-503-1012	--	--	0.10	0.10	39	0	39	N	0
THALLIUM	1/1	0.056	K	0.056	K	SB-503-1012	--	--	0.06	0.06	0.55	0	NC		NC
VANADIUM	1/1	17.4	J	17.4	J	SB-503-1012	--	--	17.4	17.4	7.8	1	39	N[9]	0
ZINC	1/1	17.5		17.5		SB-503-1012	--	--	17.5	17.5	2300	0	2300	N	0
Petroleum Hydrocarbons (ug/kg)															
DIESEL RANGE ORGANICS	1/1	3800	J	3800	J	E-SB-828-11	--	--	3800	3800	230000	0	NC		NC
TPH (C10-C32)	1/1	1100	J	1100	J	SB-503-1012	--	--	1100	1100	NC	NC	NC		NC
Miscellaneous Parameters (%)															
PERCENT SOLIDS	5/5	84		89		SB-555A-12	--	--	85.7	85.7	NC	NC	NC		NC

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for PCB (total).
7 - The value is for polychlorinated biphenyls (high risk).
8 - The value is for trivalent chromium.
9 - The value is for vanadium and compounds.

Definitions:

C = Carcinogen
J = Estimated value
K = Biased high
N = Noncarcinogen
NC = No criteria

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	2E-05	--	--	AROCLOR-1254, AROCLOR-1260	9	AROCLOR-1254
		Dermal Contact	6E-06	--	--	AROCLOR-1260	2	AROCLOR-1254
		Inhalation	7E-07	--	--	--	1	--
		Total	3E-05	--	AROCLOR-1260	AROCLOR-1254	12	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1260	--	3	AROCLOR-1254
		Dermal Contact	3E-05	--	AROCLOR-1260	--	0.7	--
		Inhalation	1E-06	--	--	--	0.4	--
		Total	1E-04	--	AROCLOR-1260	AROCLOR-1254	4	AROCLOR-1254
Industrial Worker	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	2	AROCLOR-1254
		Inhalation	2E-08	--	--	--	0.2	--
		Total	2E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.5	--
		Inhalation	7E-07	--	--	--	1	--
		Total	7E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Child Commercial Receptor	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	--	9	AROCLOR-1254
		Dermal Contact	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	3	AROCLOR-1254
		Inhalation	2E-09	--	--	--	0.06	--
		Total	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	12	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	4	AROCLOR-1254
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Inhalation	4E-08	--	--	--	0.3	--
		Total	8E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	5	AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Dermal Contact	6E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Inhalation	3E-09	--	--	--	0.06	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	4	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.7	--
		Dermal Contact	3E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.6	--
		Inhalation	8E-08	--	--	--	0.3	--
		Total	5E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	6E-09	--	--	--	NA	--
		Total	3E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	9E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	NA	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	1E-03	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE	NA	--

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	2	AROCLOR-1254
		Inhalation	2E-08	--	--	--	0.2	--
		Total	2E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.5	--
		Inhalation	7E-07	--	--	--	1	--
		Total	7E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Child Recreational User	Surface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	17	AROCLOR-1254
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	7	AROCLOR-1254
		Inhalation	8E-09	--	--	--	0.2	--
		Total	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	24	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	1E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	7	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
		Dermal Contact	5E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	AROCLOR-1254	2	AROCLOR-1254
		Inhalation	2E-07	--	--	--	1	--
		Total	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	11	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
		Dermal Contact	4E-05	--	AROCLOR-1260	AROCLOR-1254, BENZO(A)PYRENE EQUIVALENTS	1	--
		Inhalation	1E-08	--	--	--	0.2	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1	--
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Inhalation	3E-07	--	--	--	1	--
		Total	6E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	3	Target Organs HI ≤ 1
Adult Recreational User	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Dermal Contact	3E-05	--	AROCLOR-1260	AROCLOR-1254	1.0	--
		Inhalation	1E-08	--	--	--	0.2	--
		Total	8E-05	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.8	--
		Dermal Contact	1E-04	--	AROCLOR-1260	AROCLOR-1254	0.3	--
		Inhalation	3E-07	--	--	--	1	--
		Total	4E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-08	--	--	--	NA	--
		Total	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	NA	--
		Dermal Contact	8E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	NA	--
		Inhalation	8E-07	--	--	--	NA	--
		Total	3E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	24	AROCLOR-1254
		Dermal Contact	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	9	AROCLOR-1254
		Inhalation	3E-08	--	--	--	0.9	--
		Total	5E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	34	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	10	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
		Dermal Contact	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254, HEXAVALENT CHROMIUM	3	AROCLOR-1254
		Inhalation	7E-07	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	18	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Resident	Surface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
		Dermal Contact	6E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Inhalation	5E-08	--	--	--	0.9	--
		Total	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	7	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
		Dermal Contact	3E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.6	--
		Inhalation	1E-06	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	9E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	7	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
Adult Resident	Surface Soil	Incidental Ingestion	7E-05	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
		Dermal Contact	4E-05	--	AROCLOR-1260	AROCLOR-1254	1	--
		Inhalation	4E-08	--	--	--	0.9	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1	--
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Inhalation	1E-06	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	5E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	6	1,2,4-TRICHLOROBENZENE

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	8E-04	AROCLOR-1260, AROCLOR-1254	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-03	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254, HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-06	--	--	1,4-DICHLOROBENZENE	NA	--
		Total	4E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM, 1,4-DICHLOROBENZENE	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-9

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
2-BUTANONE	2/13	2.87	J	3.14	J	SB-238-SS	53	82	3.0	26.2	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	3/13	27.2	J	89	J	SB-22A-SS	53	82	49.1	34.5	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	2/13	0.72	J	7.1		SB-238-SS	5	8	3.9	3.2	780000	0	82000	N	0	19000	0	6200	0
METHYLENE CHLORIDE	2/13	3.3	J	8	J	SB-96-SS	5	11	5.7	3.6	85000	0	11000	C	0	19	0	24	0
TOLUENE	2/13	1.2	J	1.9	J	SB-238-01	5	8	1.6	2.8	630000	0	500000	N	0	27000	0	32000	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	7/14	152	J	925		SB-267-SS	740	16000	308	891	NC	NC	24000000	N	0	NC	NC	680000	0
BENZYL ALCOHOL	1/14	47.5	J	47.5	J	SB-269-02	369	8110	47.5	461	NC	NC	610000	N	0	NC	NC	17800	0
BIS(2-ETHYLHEXYL)PHTHALATE	1/25	40	J	40	J	SB-265-SS	77	4500	40.0	290	46000	0	35000	C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	1/25	25	J	25	J	SB-265-SS	188	4500	25.0	365	NC	NC	260000	C	0	NC	NC	10200	0
CARBAZOLE	9/25	32	J	4640		SB-268-SS	193	4500	657	488	32000	0	NC		NC	470	1	NC	NC
DI-N-BUTYL PHTHALATE	4/25	32	J	38	J	SB-266-SS	191	4500	36.0	358	780000	0	610000	N	0	5000000	0	184000	0
DI-N-OCTYL PHTHALATE	1/25	53	J	53	J	SB-95-SS	184	4500	53.0	361	NC	NC	NC		NC	NC	NC	NC	NC
DIBENZOFURAN	6/25	27	J	1650	J	SB-268-SS	110	4500	333	328	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/25	60	J	60	J	SB-23A-SS	350	8110	60.0	494	NC	NC	NC		NC	NC	NC	NC	NC
PHENOL	1/25	420		420		SB-23A-SS	350	8110	420	509	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	2/17	36.5	J	55		F-SB-797-SS	3.7	1670	45.8	83.1	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	2/28	32	J	46		F-SB-797-SS	3.7	4500	39.0	260	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	7/28	79	J	3620		SB-268-SS	3.7	4500	689	388	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	3/28	44	J	135		SB-265-SS	3.7	4500	76.0	263	470000	0	340000	N[6]	0	100000	0	440000 [6]	0
ANTHRACENE	12/28	30	J	9420		SB-268-SS	3.7	4500	1100	680	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[16]	85/109	1.7		50001		F-SB-95RE-1	1.4	560	2546	1996	22	74	15		76	NC	NC	70	64
BAP EQUIVALENT-POSITIVE RESULTS[16]	85/109	0.012		49963		F-SB-95RE-1	1.4	560	2487	1950	22	73	15	C	75	120	50	70	63
BENZO(A)ANTHRACENE	64/80	8.1		42000		F-SB-95RE-1	1	560	2263	1825	220	33	150	C	37	480	24	200	34
BENZO(A)PYRENE	82/109	3.1	J	38000		F-SB-95RE-1	1.4	560	1877	1424	22	71	15	C	73	120	46	70	56
BENZO(B)FLUORANTHENE	62/80	8.9		55000		F-SB-95RE-1	1.3	560	2864	2236	220	37	150	C	38	1500	16	700	24
BENZO(G,H,I)PERYLENE	17/28	48	J	13200	J	SB-268-SS	3.7	3600	1185	837	230000	0	170000	N[7]	0	680000	0	2400000 [7]	0
BENZO(K)FLUORANTHENE	55/80	8.4		23000		F-SB-95RE-1, SB-268-SS	1.6	560	1451	1012	2200	6	1500	C	11	15000	2	7000	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	1/1	3700	J	3700	J	F-SB-797-SS	--	--	3700	3700	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	1/1	5800	J	5800	J	F-SB-797-SS	--	--	5800	5800	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	1/1	1600	J	1600	J	F-SB-797-SS	--	--	1600	1600	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/1	1300	J	1300	J	F-SB-797-SS	--	--	1300	1300	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	1/1	950	J	950	J	F-SB-797-SS	--	--	950	950	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/1	470	J	470	J	F-SB-797-SS	--	--	470	470	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	64/80	8.1		33000		F-SB-95RE-1	0.97	560	2044	1649	22000	2	15000	C	2	48000	0	22000	2
DIBENZO(A,H)ANTHRACENE	44/80	2.8	J	5250		SB-268-SS	1.4	4500	386	286	22	39	15	C	41	460	8	220	12
FLUORANTHENE	23/28	11		63200		SB-268-SS	82	560	4258	3530	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	8/28	32	J	3580		SB-268-SS	3.7	4500	602	387	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	58/80	8.8		20000		F-SB-95RE-1	0.43	560	1268	940	220	28	150	C	30	4200	3	2400	7
NAPHTHALENE	3/28	36	J	140		F-SB-797-SS	3.7	4500	77.7	265	160000	0	3600	C	0	150	0	9.4	3
PHENANTHRENE	22/28	8		36100		SB-268-SS	3.7	560	2411	1927	2300000	0	170000	N[7]	0	470000	0	2400000 [7]	0
PYRENE	23/28	9.1		45200		SB-268-SS	380	560	3063	2555	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1254	1/59	96		96		SB-267-SS	18	1300	96.0	51.8	320	0	110	N[8]	0	1100	0	176	0
AROCLOR-1260	12/59	22	J	1400		SB-94-SS	18	410	305	95.9	320	3	220	C	3	NC	NC	480	3
TOTAL AROCLOR	12/59	22		1400		SB-94-SS	0	0	313	63.7	320 [9]	3	220	C[10]	3	410 [9]	3	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	19/25	0.4	L	4	L	SB-237-01	0.3	3	1.1	1.1	3.1	1	3.1	N	1	13	0	13.2	0
ARSENIC	22/32	0.6		6		SB-269-SS	1	3	3.1	2.6	0.43	22	0.39	C	22	0.026	22	0.026	22
BARIUM	20/20	27		207		SB-268-SS	--	--	58.6	58.6	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	21/32	0.5		5		SB-25A-SS	2.4	4	1.2	1.3	16	0	16	N	0	1200	0	1160	0
CADMIUM	14/32	0.3		4.5	L	SB-94-SS	0.09	4	1.4	1.1	3.9	1	7	N	0	27	0	28	0
CHROMIUM	32/32	8.1		185		SB-237-01	--	--	27.0	27.0	12000 [11]	0	12000	N[11]	0	2000000000 [11]	0	1980000000 [11]	0
COBALT	20/20	2.8		11.7		SB-268-SS	--	--	6.1	6.1	NC	NC	2.3	N	20	NC	NC	9.8	1
COPPER	32/32	4		74		SB-55-SS	--	--	17.2	17.2	310	0	310	N	0	11000	0	1020	0

Table 4-9

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
LEAD	25/32	3.2 L	447	SB-268-SS	3	8	74.6	58.9	400	2	400	2	NC	NC	280 [12]	2
MERCURY	39/47	0.01	2.7 L	F-SB-626-2	0.02	0.16	0.54	0.46	2.3 [13]	1	2.3 N[14]	1	NC	NC	NC	NC
MOLYBDENUM	1/20	63	63	SB-237-01	0.4	2	63.0	3.5	NC	NC	39 N	1	NC	NC	74	0
NICKEL	25/32	4.5 K	27	SB-25A-SS	5	9	12.1	10.2	160	0	150 N	0	NC	NC	960	0
SELENIUM	9/32	2	4	SB-237-01	2	4	2.8	1.7	39	0	39 N	0	19	0	19	0
SILVER	5/25	0.9	3.4	SB-23A-SS	0.04	3.2	1.6	0.57	39	0	39 N	0	31	0	32	0
VANADIUM	20/20	20.3	49	SB-238-SS	--	--	31.8	31.8	7.8	20	39 N[15]	4	730	0	3600	0
ZINC	27/32	20	289	SB-268-SS	26	40	78.8	68.9	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	5/13	13000	271000	SB-238-SS	10000	17000	111340	46592	230000	1	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	1/13	1200	1200	SB-25A-SS	13.1	10300	1200	536	230000	0	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	6/8	0.49	3.6	SB-268-SS, SB-265-SS	0.36	0.4	1.8	1.4	23	0	0.29 C	6	42	0	0.0166	6
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	4/4	0.071 J	1.467 J	SB-237-01	--	--	0.73	0.73	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	29/29	77.6	95.1	SB-397-0102	--	--	87.4	87.4	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u)																
PH	4/4	8.1	8.4	SB-265-02	--	--	8.3	8.3	NC	NC	NC	NC	NC	NC	NC	NC

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
3 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - See Section 3 for BaP equivalent calculation methodology.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-10

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,2,4-TRIMETHYLBENZENE	1/36	658	658	SB-238-05	6	7	658	21.2	NC	NC	6200 N	0	NC	NC	420	1
1,3,5-TRIMETHYLBENZENE	1/26	139 J	139 J	SB-238-05	6	7	139	8.3	NC	NC	78000 N	0	NC	NC	10400	0
2-BUTANONE	2/26	6 J	9 J	SB-29-10	57	2590	7.5	76.8	4700000	0	2800000 N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	1/36	165 J	165 J	SB-238-05	6	7	165	7.5	NC	NC	NC	0	NC	NC	NC	NC
ACETONE	16/34	9 J	48 J	SB-26-10	16	62	26.1	26.2	7000000	0	6100000 N	0	22000	0	90000	0
ETHYLBENZENE	1/36	394	394	SB-238-05	6	7	394	13.9	780000	0	5400 C	0	15000	0	34	1
ISOPROPYLBENZENE	1/36	83.1 J	83.1 J	SB-238-05	6	7	83.1	5.3	780000	0	210000 N	0	64000	0	22000	0
M+P-XYLENES	1/36	270 J	270 J	SB-238-05	11	20	270	14.5	1600000 [6]	0	63000 N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	9/36	5 J	147 J	SB-238-05	6	11	21.4	7.8	85000	0	11000 C	0	19	1	24	1
N-BUTYLBENZENE	1/36	125 J	125 J	SB-238-05	6	7	125	6.4	NC	NC	NC	0	NC	NC	NC	NC
NAPHTHALENE	1/36	159000	159000	SB-238-05	6	7	159000	4420	160000	0	3600 C	1	150	1	9.4	1
O-XYLENE	1/36	186 J	186 J	SB-238-05	6	20	186	10.3	1600000 [6]	0	380000 N	0	3000 [6]	0	24000	0
TOTAL XYLENES	1/11	456 J	456 J	SB-238-05	17	19	456	49.6	1600000 [6]	0	63000 N	0	3000 [6]	0	4000	0
TRICHLOROFLUOROMETHANE	1/36	2 J	2 J	SB-295-0405	6	259	2.0	7.3	NC	NC	79000 N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																
2,4-DIMETHYLPHENOL	1/32	68 J	68 J	SB-238-05	380	420	68.0	193	160000	0	120000 N	0	6700	0	17200	0
BIS(2-ETHYLHEXYL)PHTHALATE	1/32	190 J	190 J	SB-296-0910	85	420	190	192	46000	0	35000 C	0	2900000	0	22000	0
CARBAZOLE	3/32	200 J	5690	SB-238-05	380	420	2090	374	32000	0	NC	0	470	1	NC	NC
DIBENZOFURAN	3/32	73 J	3980	SB-238-05	380	420	1394	309	7800	0	7800 N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	2/32	77 J	310 J	SB-55-10	380	412	194	197	NC	NC	NC	0	NC	NC	NC	NC
N-NITROSODIPHENYLAMINE	1/31	81 J	81 J	SB-238-05	380	420	81.0	193	130000	0	99000 C	0	760	0	1500	0
PHENOL	4/32	140 J	910	SB-56-05	380	420	565	244	2300000	0	1800000 N	0	67000	0	126000	0
PAHs (ug/kg)																
1-METHYLNAPHTHALENE	1/17	3420	3420	SB-238-05	3.5	410	3420	317	NC	NC	22000 C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	1/38	6900	6900	SB-238-05	3.5	420	6900	343	31000	0	31000 N	0	4400	1	15000	0
ACENAPHTHENE	4/38	15	6960	SB-238-05	3.5	420	1819	342	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	1/38	69 J	69 J	SB-238-05	3.5	420	69.0	163	470000	0	340000 N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	4/38	47	2510	SB-238-05	3.5	420	814	236	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	85/324	2.3	7604	F-SB-268RE-3	1.4	410	338	106	22	62	15	68	NC	NC	70	35
BAP EQUIVALENT-POSITIVE RESULTS[17]	85/324	0.19	7604	F-SB-268RE-3	1.4	410	330	104	22	62	15 C	68	120	27	70	35
BENZO(A)ANTHRACENE	48/235	3.4 J	5700	F-SB-268RE-3	1	410	412	108	220	14	150 C	18	480	8	200	17
BENZO(A)PYRENE	78/324	3.1 J	5200	F-SB-268RE-3	1.4	410	267	81.8	22	55	15 C	65	120	26	70	32
BENZO(B)FLUORANTHENE	55/235	1.7 J	6500	F-SB-268RE-3	1.3	410	385	114	220	16	150 C	20	1500	4	700	6
BENZO(G,H,I)PERYLENE	6/38	6.375	1240 J	SB-238-05	3.5	410	398	208	230000	0	170000 N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	42/235	5.875	2900	F-SB-268RE-3	1.5	410	265	71.4	2200	1	1500 C	2	15000	0	7000	0
CHRYSENE	48/235	2.9 J	5400	F-SB-268RE-3	0.98	410	412	108	22000	0	15000 C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	20/235	9.8	860	F-SB-268RE-3	1.4	420	105	35.5	22	14	15 C	18	460	1	220	2
FLUORANTHENE	8/38	9.8	10000	SB-238-05	3.5	410	1890	543	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	4/38	26	6330	SB-238-05	3.5	420	1667	326	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	48/235	0.96 J	2900	F-SB-268RE-3	0.41	410	190	62.8	220	9	150 C	10	4200	0	2400	1
NAPHTHALENE	2/38	58 J	31000	SB-238-05	3.5	420	15529	973	160000	0	3600 C	1	150	1	9.4	2
PHENANTHRENE	6/38	5.575	18600	SB-238-05	3.5	410	3734	735	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	7/38	9.1	7570	SB-238-05	3.5	410	1610	441	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
AROCLOR-1260	4/153	15 J	27 J	F-SB-636-5	19	310	20.5	27.6	320	0	220 C	0	NC	NC	480	0
TOTAL AROCLOR	4/153	15	27	F-SB-636-5	0	0	20.5	0.54	320 [10]	0	220 C[11]	0	410 [10]	0	NC	NC
Inorganics (mg/kg)																
ANTIMONY	2/25	0.3 L	2 L	SB-236-05	0.3	3.1	1.2	0.95	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	25/36	0.58 L	7	SB-236-05	0.52	2	2.5	1.9	0.43	25	0.39 C	25	0.026	25	0.026	25
BARIUM	13/13	12.5	103	SB-236-05	--	--	27.6	27.6	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	19/36	0.6	6.2	SB-55-05	2.6	3.1	3.3	2.4	16	0	16 N	0	1200	0	1160	0
CADMIUM	3/36	0.3	0.5	SB-238-05, SB-236-05	0.06	3.1	0.43	0.99	3.9	0	7 N	0	27	0	28	0
CHROMIUM	34/35	5.3 L	39.4 K	SB-298-0910	2.6	2.6	17.7	17.2	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	12/13	5.3	32.3	SB-296-0405	3.2	3.2	10.3	9.7	NC	NC	2.3 N	12	NC	NC	9.8	3
COPPER	34/36	4.3 L	56	SB-55-05	2.9	3	16.4	15.6	310	0	310 N	0	11000	0	1020	0
LEAD	32/36	2.9 L	81	SB-236-05	2.6	3	11.5	10.4	400	0	400	0	NC	NC	280 [13]	0
MERCURY	17/47	0.01	1.8 L	F-SB-800-03	0.01	0.12	0.46	0.19	2.3 [14]	0	2.3 N[15]	0	NC	NC	NC	NC
MOLYBDENUM	7/13	0.32	0.55 K	SB-296-0405	0.18	0.7	0.42	0.32	NC	NC	39 N	0	NC	NC	74	0
NICKEL	34/36	3.6 L	150	SB-55-05	2.6	2.9	22.1	21.0	160	0	150 N	0	NC	NC	960	0
SELENIUM	5/28	2.8	4.4 L	SB-30-05	0.56	3	3.7	1.4	39	0	39 N	0	19	0	19	0
SILVER	5/25	0.72	2.3	SB-236-05	0.05	3.1	1.4	1.0	39	0	39 N	0	31	0	32	0
VANADIUM	13/13	20.7	61.6	SB-296-0405	--	--	34.9	34.9	7.8	13	39 N[16]	3	730	0	3600	0

Table 4-10

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
ZINC	20/36	24.1	270	SB-55-05	26	60	66.9	46.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	3/22	12000	881000	SB-238-05	11000	25000	303333	48909	230000	1	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	1/36	21200	21200	SB-238-05	110	2900	21200	1013	230000	0	NC	0	NC	NC	NC	NC
TPH (C09-C36)	3/10	3500 J	4900 J	SB-296-0405	2800	6100	4067	2730	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	1/1	1.21 J	1.21 J	SB-236-05	--	--	1.2	1.2	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	102/102	65.8	95.9	SB-395-0203	--	--	83.9	83.9	NC	NC	NC	0	NC	NC	NC	NC
TOTAL SOLIDS	10/10	80	88	SB-297-0405	--	--	83.9	83.9	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	7.7	7.7	SB-236-05	--	--	7.7	7.7	NC	NC	NC	0	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-11

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)												
METHYLENE CHLORIDE	1/4	8 J	8 J	SB-93-15	6	6	8.0	4.3	85000	0	11000 C	0
Semivolatile Organics (ug/kg)												
PHENOL	1/4	770	770	SB-56-15	400	410	770	344	2300000	0	1800000 N	0
PAHs (ug/kg)												
BAP EQUIVALENT-1/2 NONDETECTS[8]	27/70	2.6	6440.9	F-SB-268RE-13	1.5	410	298	127	22	18	15	19
BAP EQUIVALENT-POSITIVE RESULTS[8]	27/70	0.83	6440.9	F-SB-268RE-13	1.5	410	297	126	22	17	15 C	19
BENZO(A)ANTHRACENE	24/70	8.5	4500	F-SB-268RE-13	1.1	410	234	92.1	220	2	150 C	3
BENZO(A)PYRENE	23/70	9.3	4400	F-SB-268RE-13	1.5	410	239	90.4	22	11	15 C	18
BENZO(B)FLUORANTHENE	26/70	8.3	5600	F-SB-268RE-13	1.4	410	272	113	220	3	150 C	5
BENZO(K)FLUORANTHENE	16/70	8.8	2700	F-SB-268RE-13	1.6	410	205	59.1	2200	1	1500 C	1
CHRYSENE	23/70	8.3	3900	F-SB-268RE-13	1	410	217	83.2	22000	0	15000 C	0
DIBENZO(A,H)ANTHRACENE	7/70	12	720	F-SB-268RE-13	1.5	410	125	24.6	22	5	15 C	6
INDENO(1,2,3-CD)PYRENE	19/70	9.4	2800	F-SB-268RE-13	1.7	410	183	61.8	220	1	150 C	1
Inorganics (mg/kg)												
CHROMIUM	3/4	9.5 L	27	SB-94-15	3	3	18.2	14.0	12000 [6]	0	12000 N[6]	0
COPPER	4/4	3.3 L	12 L	SB-93-15	--	--	6.7	6.7	310	0	310 N	0
LEAD	2/4	3.3 L	4 L	SB-93-15	2.8	3	3.7	2.6	400	0	400	0
NICKEL	3/4	6	20	SB-94-15	3	3	14.7	11.4	160	0	150 N	0

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for trivalent chromium.
7- Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
8 - See Section 3 for BaP equivalent calculation methodology.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	9E-07	--	--	--	0.02	--
		Inhalation	7E-07	--	--	--	0.3	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.5	--
	Subsurface Soil	Incidental Ingestion	4E-07	--	--	--	0.1	--
		Dermal Contact	7E-08	--	--	--	0.02	--
		Inhalation	2E-06	--	--	NAPHTHALENE	2	Target Organs HI ≤ 1
		Total	3E-06	--	--	NAPHTHALENE	2	Target Organs HI ≤ 1
Industrial Worker	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.04	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.2	--
		Total	9E-06	--	--	NAPHTHALENE	0.2	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.3	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.03	--
		Inhalation	2E-09	--	--	--	0.00003	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.4	--
	Subsurface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
		Dermal Contact	2E-06	--	--	--	0.03	--
		Inhalation	4E-07	--	--	--	0.05	--
		Total	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.02	--
		Inhalation	2E-09	--	--	--	0.00003	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.08	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.08	--
		Dermal Contact	2E-06	--	--	--	0.02	--
		Inhalation	9E-07	--	--	--	0.05	--
		Total	4E-06	--	--	--	0.1	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	NA	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-06	--	--	--	NA	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.04	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.2	--
		Total	9E-06	--	--	NAPHTHALENE	0.2	--
Child Recreational User	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.6	--
		Dermal Contact	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.07	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.8	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.06	--
		Inhalation	2E-06	--	--	NAPHTHALENE	0.2	--
		Total	2E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	1	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Recreational User	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	9E-09	--	--	--	0.0001	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	--	0.1	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	3E-06	--	--	NAPHTHALENE	0.2	--
		Total	7E-06	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS	0.4	--
Adult Recreational User	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	4E-09	--	--	--	0.0001	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.09	--
		Dermal Contact	3E-07	--	--	--	0.009	--
		Inhalation	3E-06	--	--	NAPHTHALENE	0.2	--
		Total	5E-06	--	--	NAPHTHALENE	0.3	--
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	8E-06	--	--	NAPHTHALENE	NA	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, NAPHTHALENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Resident	Surface Soil	Incidental Ingestion	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.9	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.09	--
		Inhalation	3E-08	--	--	--	0.0005	--
		Total	4E-04	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	ARSENIC	1.0	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.08	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.8	--
		Total	3E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI ≤ 1
Adolescent Resident	Surface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.02	--
		Inhalation	4E-08	--	--	--	0.0005	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.2	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	1E-06	--	--	--	0.02	--
		Inhalation	1E-05	--	--	NAPHTHALENE	0.8	--
		Total	2E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC	1	--
Adult Resident	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.0005	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.1	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.1	--
		Dermal Contact	5E-07	--	--	--	0.01	--
		Inhalation	1E-05	--	--	NAPHTHALENE	0.8	--
		Total	2E-05	--	--	NAPHTHALENE	0.9	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-08	--	--	--	NA	--
		Total	5E-04	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	ARSENIC	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-05	--	NAPHTHALENE	--	NA	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS, NAPHTHALENE	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-13

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHANE	1/14	1	J	1	J	SB-195-SS	2	6	1.0	2.1	1600000	0	3300	C	0	5100	0	13.8	0
1,1-DICHLOROETHENE	1/14	2.5		2.5		SB-195-SS	2	6	2.5	2.2	390000	0	24000	N	0	2900	0	2400	0
1,2,4-TRIMETHYLBENZENE	3/14	0.83	J	1.5	J	SB-197-SS	2	6	1.2	2.2	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	5/14	3.36	J	14.5		SB-195-SS	9	64	7.7	20.0	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	7/14	10.4	J	128	J	SB-195-SS	54	64	63.3	46.5	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	5/14	1.6	J	6.2		SB-199-SS	2	6	2.9	2.8	780000	0	82000	N	0	19000	0	6200	0
ISOPROPYLBENZENE	1/14	47	J	47	J	SB-84-SS	2	6	47.0	5.3	780000	0	210000	N	0	64000	0	22000	0
METHYLENE CHLORIDE	2/14	6	J	7	J	SB-82-SS	3.9	6	6.5	3.1	85000	0	11000	C	0	19	0	24	0
N-PROPYLBENZENE	1/14	7	J	7	J	SB-84-SS	2	6	7.0	2.4	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	2/15	2.9		6	J	SB-85-SS	1	6	4.5	2.4	160000	0	3600	C	0	150	0	9.4	0
TOLUENE	5/15	0.79	J	3.6		SB-195-SS	1	6	1.9	2.3	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROETHENE	3/14	0.65	J	1.3	J	SB-195-SS	2	6	1.0	2.1	1600	0	2800	C	0	0.26	3	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	1/6	174	J	174	J	SB-195-SS	40.9	80.2	174	52.8	NC	NC	24000000	N	0	NC	NC	680000	0
CARBAZOLE	2/14	250	J	320	J	SB-85-SS	185	2100	285	394	32000	0	NC		NC	470	0	NC	NC
PHENOL	1/14	940	J	940	J	SB-92-SS	371	2100	940	533	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	1/21	140		140		G-SB-806-SS	3.4	85.3	140	20.3	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	4/29	9.2		460		G-TP-1-3-1-2	3.4	2100	237	223	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	8/53	33	J	640	J	SB-91-SS	3.4	2100	320	118	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	6/53	38	J	1200		G-TP-1-3-1-2	3.4	2100	461	196	470000	0	340000	N[6]	0	100000	0	440000 [6]	0
ANTHRACENE	22/53	10		2800		G-TP-1-3-1-2	3.7	2100	533	281	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	195/238	1.6		38666		G-SB-764D-1	1.4	2100	1770	1457	22	160	15		171	NC	NC	70	123
BAP EQUIVALENT-POSITIVE RESULTS[17]	195/238	0.01		38666		G-SB-764D-1	1.4	2100	1759	1448	22	157	15	C	169	120	92	70	118
BENZO(A)ANTHRACENE	147/187	2.8	J	34000		G-SB-761C-1	1.1	2100	1614	1277	220	54	150	C	63	480	37	200	54
BENZO(A)PYRENE	188/238	2.8	J	27000		G-SB-761D-1	1.4	2100	1252	996	22	150	15	C	163	120	83	70	103
BENZO(A)PYRENE	188/238	2.8	J	27000		G-SB-764D-1	1.4	2100	1252	996	22	150	15	C	163	120	83	70	103
BENZO(B)FLUORANTHENE	151/181	1.9	J	28000		G-SB-764D-1	1.3	86	1585	1325	220	56	150	C	64	1500	21	700	31
BENZO(B+K)FLUORANTHENE	4/6	220	J	7200	J	SB-84-SS	400	2100	3778	2727	220 [7]	3	150	C[7]	4	1500 [7]	2	700 [7]	3
BENZO(G,H,I)PERYLENE	29/53	13		24000	J	SB-91-SS	3.8	2100	1948	1122	230000	0	170000	N[8]	0	680000	0	2400000 [8]	0
BENZO(K)FLUORANTHENE	124/181	1.475		17000	J	SB-91-SS	1.6	86	1023	703	2200	12	1500	C	16	15000	1	7000	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	3/9	260	J	41000	J	G-TP-1-4-1-2	74	90	14120	4733	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	3/9	270	J	47000	J	G-TP-1-4-1-2	74	90	16157	5412	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORENES	1/9	1200	J	1200	J	G-TP-1-4-1-2	74	90	1200	169	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	3/9	130	J	33000	J	G-TP-1-4-1-2	74	90	11317	3799	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	3/9	140	J	20000	J	G-TP-1-4-1-2	74	90	6910	2330	NC	NC	NC		NC	NC	NC	NC	NC
C2-FLUORENES	1/9	3800	J	3800	J	G-TP-1-4-1-2	74	90	3800	458	NC	NC	NC		NC	NC	NC	NC	NC
C2-NAPHTHALENES	1/9	1800	J	1800	J	G-TP-1-4-1-2	74	90	1800	236	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	3/9	160	J	31000	J	G-TP-1-4-1-2	74	90	10643	3574	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/9	210	J	7000	J	G-TP-1-4-1-2	74	90	3605	832	NC	NC	NC		NC	NC	NC	NC	NC
C3-FLUORENES	2/9	200	J	7200	J	G-TP-1-4-1-2	74	90	3700	853	NC	NC	NC		NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/9	4000	J	4000	J	G-TP-1-4-1-2	74	90	4000	480	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	3/9	100	J	17000	J	G-TP-1-4-1-2	74	90	5850	1977	NC	NC	NC		NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	2/9	92	J	3000	J	G-TP-1-4-1-2	74	90	1546	374	NC	NC	NC		NC	NC	NC	NC	NC
C4-NAPHTHALENES	2/9	92	J	4100	J	G-TP-1-4-1-2	74	90	2096	497	NC	NC	NC		NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	2/9	160	J	5900	J	G-TP-1-4-1-2	74	90	3030	704	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	155/187	3.2	J	41000		G-SB-761C-1	0.99	2100	1773	1478	22000	4	15000	C	6	48000	0	22000	4
DIBENZO(A,H)ANTHRACENE	83/187	3.8	J	7200	J	SB-91-SS	1.4	2100	528	252	22	68	15	C	75	460	15	220	20
FLUORANTHENE	39/53	13		21000	K	SB-91-SS	3.8	400	2352	1741	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	10/53	21	J	600		G-TP-1-3-1-2	3.4	2100	263	132	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	136/187	2.4	J	17000	J	SB-91-SS	0.41	2100	973	724	220	40	150	C	52	4200	9	2400	10
INDENO(1,2,3-CD)PYRENE	136/187	2.4	J	17000		G-SB-764D-1	0.41	2100	973	724	220	40	150	C	52	4200	9	2400	10

Table 4-13

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
NAPHTHALENE	7/53	7.3	660	G-TP-1-3-1-2	3.7	2100	233	141	160000	0	3600 C	0	150	4	9.4	5
PHENANTHRENE	30/53	25	13000 K	SB-91-SS	3.7	2100	1658	972	2300000	0	170000 N[8]	0	470000	0	2400000 [8]	0
PYRENE	41/53	9.4	55000 J	SB-91-SS	3.8	2100	3851	3008	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
AROCLOR-1254	1/22	12 J	12 J	SB-198-SS	34	330	12.0	64.9	320	0	110 N[9]	0	1100	0	176	0
AROCLOR-1260	9/22	8.2 J	1190 J	SB-258-SS[6]	36	330	323	178	320	4	220 C	4	NC	NC	480	2
TOTAL AROCLOR	10/22	8.2	1190	SB-258-SS[6]	0	0	292	133	320 [10]	4	220 C[11]	4	410 [10]	2	NC	NC
Inorganics (mg/kg)																
ANTIMONY	7/14	0.6 L	3.9 L	SB-85-SS	2.5	3.2	1.4	1.4	3.1	1	3.1 N	1	13	0	13.2	0
ARSENIC	27/32	0.8 L	37	SB-92-SS	1	3	3.4	3.0	0.43	27	0.39 C	27	0.026	27	0.026	27
BARIUM	6/6	22	74	SB-197-SS	--	--	42.8	42.8	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	8/14	0.3	5.4	SB-91-SS	2.3	3.2	1.7	1.5	16	0	16 N	0	1200	0	1160	0
CADMIUM	2/14	5.7	14	SB-85-SS	0.1	3.2	9.9	2.0	3.9	2	7 N	1	27	0	28	0
CHROMIUM	14/14	11.2	48	SB-85-SS	--	--	21.2	21.2	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	6/6	3.2	51.2	SB-197-SS	--	--	15.1	15.1	NC	NC	2.3 N	6	NC	NC	9.8	2
COPPER	14/14	5	45	SB-85-SS	--	--	14.8	14.8	310	0	310 N	0	11000	0	1020	0
LEAD	14/14	4	340	SB-85-SS	--	--	68.3	68.3	400	0	400	0	NC	NC	280 [13]	1
MERCURY	11/14	0.02	4.2	SB-84-SS	0.1	0.11	0.60	0.48	2.3 [14]	1	2.3 N[15]	1	NC	NC	NC	NC
NICKEL	14/14	5	280 J	SB-86-SS	--	--	49.3	49.3	160	2	150 N	2	NC	NC	960	0
Inorganics (mg/kg) (continued)																
SELENIUM	2/14	3.7	4.7	SB-91-SS	2	3.2	4.2	1.6	39	0	39 N	0	19	0	19	0
VANADIUM	6/6	20.2	39.2	SB-197-SS	--	--	25.7	25.7	7.8	6	39 N[16]	1	730	0	3600	0
ZINC	14/14	16	290	SB-86-SS	--	--	78.4	78.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	10/15	12000	163000	SB-198-SS	11000	12000	72200	50100	230000	0	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	7/19	31 J	810000	G-SB-734-0-4	110	12500	142206	54121	230000	1	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	63/63	81.7	95.9	SB-414-0102	--	--	88.7	88.7	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	7.1	7.1	SB-194-SS	--	--	7.1	7.1	NC	NC	NC	0	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value is for benzo(b)fluoranthene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-14

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHENE	1/24	0.54	J	0.54	J	SB-197-10	1.9	61	0.54	4.1	390000	0	24000	N	0	2900	0	2400	0
1,2,4-TRIMETHYLBENZENE	3/24	0.69	J	1.1	J	SB-195-05	1.9	61	0.87	4.1	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	5/24	3.58	J	8.24	J	SB-199-10	7.73	610	5.5	36.3	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	14/24	3.6	J	89.6	J	SB-198-05	56	610	24.3	47.6	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/45	7		7		SB-89-05	1	121	7.0	10.0	12000	0	1100	C	0	1.9	1	4.2	1
CARBON DISULFIDE	7/24	0.68	J	2.1	J	SB-196-10	1.9	61	1.3	4.2	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	2/45	3		100		SB-89-05	1	121	51.5	12.2	780000	0	5400	C	0	15000	0	34	1
ISOPROPYLBENZENE	1/24	990	J	990	J	SB-84-05	1.9	61	990	44.3	780000	0	210000	N	0	64000	0	22000	0
METHYLENE CHLORIDE	3/24	8	J	10	J	SB-86-10, SB-86-05	3.9	61	9.3	5.9	85000	0	11000	C	0	19	0	24	0
N-BUTYLBENZENE	1/24	850	J	850	J	SB-84-05	1.9	61	850	38.5	NC	NC	NC		NC	NC	NC	NC	NC
N-PROPYLBENZENE	1/24	2200	J	2200	J	SB-84-05	1.9	61	2200	94.7	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	9/45	0.62	J	620	J	SB-84-05	1	362	153	54.1	160000	0	3600	C	0	150	4	9.4	6
TERTIARY-BUTYL ALCOHOL	2/12	6	J	7	J	SB-197-10	8	10	6.5	4.8	NC	NC	NC		NC	NC	NC	NC	NC
TOLUENE	11/45	1.1	J	4.2		SB-199-05	1	121	2.5	10.3	630000	0	500000	N	0	27000	0	32000	0
TOTAL XYLENES	4/35	3		600		SB-88-05	1	362	196	52.9	1600000 [6]	0	63000	N	0	3000 [6]	0	4000	0
TRICHLOROETHENE	7/24	0.62	J	1.5	J	SB-199-05	1.9	61	1.0	4.1	1600	0	2800	C	0	0.26	7	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	2/12	134	J	136	J	SB-195-05	42.3	70.8	135	46.9	NC	NC	24000000	N	0	NC	NC	680000	0
CARBAZOLE	1/22	51	J	51	J	SB-199-05	187	410	51.0	142	32000	0	NC		NC	470	0	NC	NC
DIBENZOFURAN	1/22	34	J	34	J	SB-199-05	110	410	34.0	121	7800	0	7800	N	0	NC	NC	13600	0
PHENOL	5/22	1000	J	1900		SB-81-05	375	436	1380	468	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	4/58	18		900		G-SB-813-09	3.6	89.9	258	28.2	NC	NC	22000	C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	6/68	20		650		G-SB-813-09	3.6	410	216	56.3	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	7/68	18		1200	J	G-SB-813-09	3.6	410	294	67.4	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	15/68	7.9		1000		G-SB-813-09	3.6	410	149	69.4	470000	0	340000	N[7]	0	100000	0	440000 [7]	0
ANTHRACENE	21/68	9.1		3500	J	G-SB-813-09	3.6	410	355	144	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[16]	414/845	1.2		57089		G-SB-735A-5	1.4	410	1323	651	22	297	15		341	NC	NC	70	197
BAP EQUIVALENT-POSITIVE RESULTS[16]	414/845	0.0078		57089		G-SB-735A-5	1.4	410	1320	650	22	291	15	C	333	120	164	70	191
BENZO(A)ANTHRACENE	333/661	1.4	J	44000		G-SB-735A-5	1	410	1172	594	220	109	150	C	125	480	82	200	112
BENZO(A)PYRENE	378/845	2.6	J	37000		G-SB-735A-5	1.4	410	1000	450	22	270	15	C	310	120	146	70	174
BENZO(B)FLUORANTHENE	352/653	1.6	J	55000		G-SB-735A-5	1.3	400	1249	675	220	118	150	C	137	1500	53	700	74
BENZO(G,H,I)PERYLENE	27/68	13		9200	J	G-SB-806-09	3.6	410	1015	436	230000	0	170000	N[8]	0	680000	0	2400000 [8]	0
BENZO(K)FLUORANTHENE	251/653	2.25		25000		G-SB-735A-5	1.4	400	647	250	2200	20	1500	C	25	15000	1	7000	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/10	83	J	89	J	G-TP-1-2-7-8	74	81	86.0	48.7	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/10	84	J	96	J	G-TP-1-2-7-8	74	81	90.0	49.5	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	351/661	1.4	J	40000	J	G-SB-714-6	0.97	410	1176	627	22000	2	15000	C	7	48000	0	22000	2
DIBENZO(A,H)ANTHRACENE	158/661	5.225		7800		G-SB-735A-5	1.4	410	396	99.0	22	130	15	C	139	460	33	220	50
FLUORANTHENE	35/68	8.4		17000	J	G-SB-813-09	3.6	410	1518	810	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	4/68	25		1800	J	G-SB-813-09	3.6	410	520	68.5	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	300/661	1.5	J	21000	J	G-SB-714-6, G-SB-735A-5	0.41	410	703	323	220	90	150	C	107	4200	13	2400	23
NAPHTHALENE	6/68	8.4		510		G-SB-806-09	3.6	410	148	50.9	160000	0	3600	C	0	150	2	9.4	5
PHENANTHRENE	27/68	19	J	18000	J	G-SB-813-09	3.6	410	1263	535	2300000	0	170000	N[8]	0	470000	0	2400000 [8]	0
PYRENE	35/68	8.9	J	31000		G-SB-813-09	3.6	410	2691	1415	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1260	2/24	8.1	J	14	J	SB-195-10	36	300	11.1	71.3	320	0	220	C	0	NC	NC	480	0
TOTAL AROCLOR	2/24	8.1		14		SB-195-10	0	0	11.1	0.9	320 [9]	0	220	C[10]	0	410 [9]	0	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	4/24	0.3	L	0.7	L	SB-199-10	0.17	3	0.44	0.70	3.1	0	3.1	N	0	13	0	13.2	0

Table 4-14

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
ARSENIC	25/32	0.61	8.5	G-SB-92RE-7	0.53	5	3.5	2.9	0.43	25	0.39 C	25	0.026	25	0.026	25
BARIUM	14/14	3	35	SB-198-05	--	--	20.5	20.5	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	15/24	0.2	3.9	SB-198-05	2.6	3	1.3	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	3/24	0.085	0.4	SB-198-10	0.08	3	0.24	0.65	3.9	0	7 N	0	27	0	28	0
CHROMIUM	24/24	6.9	40	SB-198-05	--	--	19.0	19.0	12000 [11]	0	12000 N[11]	0	2000000000 [11]	0	1.98E+09 [11]	0
COBALT	13/14	2.6 J	68.1	SB-197-05	11	11	11.8	11.3	NC	NC	2.3 N	13	NC	NC	9.8	4
COPPER	24/24	4	47	SB-198-10	--	--	14.4	14.4	310	0	310 N	0	11000	0	1020	0
IRON	2/2	15700 J	17200 J	OW-5-4	--	--	16450	16450	5500	2	5500 N	2	NC	NC	12800	2
LEAD	23/24	2	18	SB-198-05	1	1	7.3	7.0	400	0	400	0	NC	NC	280 [12]	0
MANGANESE	2/2	67.3 J	123 J	OW-5-4	--	--	95.2	95.2	160	0	180 N	0	950	0	1140	0
MERCURY	12/24	0.007	0.03	SB-198-05	0.019	0.12	0.01	0.03	2.3 [13]	0	2.3 N[14]	0	NC	NC	NC	NC
NICKEL	23/24	3	49	SB-198-05	2.9	2.9	15.1	14.5	160	0	150 N	0	NC	NC	960	0
SELENIUM	2/24	1	3	SB-196-05	0.18	11	2.0	1.3	39	0	39 N	0	19	0	19	0
SILVER	2/19	0.12	0.21	OW-5-4	0.03	2.9	0.17	0.40	39	0	39 N	0	31	0	32	0
THALLIUM	2/24	0.053	0.073	OW-5-4	0.6	5	0.06	0.78	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	14/14	13.3 J	72.7	SB-195-10	--	--	36.6	36.6	7.8	14	39 N[15]	5	730	0	3600	0
ZINC	19/24	8	145	SB-198-05	26	30	38.0	33.0	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	14/37	840 J	105000	SB-199-05	11000	13000	33046	16220	230000	0	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	21/46	34 J	980000	G-SB-728-4	110	12800	174565	81771	230000	5	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	186/186	68.6	94.7	SB-433-0203	--	--	85.5	85.5	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	2/2	5.7	7	SB-194-10	--	--	6.4	6.4	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
13 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)															
1,1,1-TRICHLOROETHANE	1/7	1.3	J	1.3	J	OW-6-30	0.65	6.2	1.3	2.4	16000000	0	870000	N	0
1,1-DICHLOROETHANE	2/7	1.3	J	1.6	J	OW-6-20	0.42	6	1.5	2.2	1600000	0	3300	C	0
1,1-DICHLOROETHENE	2/7	5	J	7.4		OW-6-30	0.6	6	6.2	3.5	390000	0	24000	N	0
2-BUTANONE	1/7	27		27		MRC-MW95D-SO-214	12	57	27.0	15.4	4700000	0	2800000	N	0
ACETONE	3/7	7.8	J	9.7	J	OW-6-30	12	64	8.5	17.2	7000000	0	6100000	N	0
BENZENE	2/7	0.29	J	0.52	J	MRC-MW95D-SO-214	5.9	6.2	0.41	2.3	12000	0	1100	C	0
CIS-1,2-DICHLOROETHENE	3/7	0.87	J	4.1	J	OW-6-20	0.42	6	2.8	2.5	78000	0	16000	N	0
ETHYLBENZENE	1/7	0.41	J	0.41	J	MRC-MW95D-SO-214	5.9	6.2	0.41	2.6	780000	0	5400	C	0
METHYLENE CHLORIDE	2/7	9	J	11	J	SB-86-12	0.99	16	10.0	5.7	85000	0	11000	C	0
N-BUTYLBENZENE	1/7	0.35	J	0.35	J	MRC-MW95D-SO-214	5.9	6.2	0.35	2.6	NC	NC	NC		NC
O-XYLENE	1/7	0.59	J	0.59	J	MRC-MW95D-SO-214	5.9	6.2	0.59	2.7	1600000 [6]	0	380000	N	0
TOTAL XYLENES	1/5	1.5	J	1.5	J	MRC-MW95D-SO-214	12	12	1.5	5.1	1600000 [6]	0	63000	N	0
TRICHLOROETHENE	4/7	4	J	64		OW-6-30	0.49	6	23.0	14.0	1600	0	2800	C	0
Semivolatile Organics (ug/kg)															
PHENOL	2/2	960	J	980	J	SB-86-12	--	--	970	970	2300000	0	1800000	N	0
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	5/32	7.9		120		G-SB-813-15-AVG, G-SB-813-15	3.7	8.3	42.0	8.4	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	3/34	14		30		G-SB-806-15	3.7	390	23.0	15.5	31000	0	31000	N	0
ACENAPHTHENE	7/34	14	J	210	J	G-SB-813-15-AVG, G-SB-813-15	3.7	390	64.9	26.2	470000	0	340000	N	0
ACENAPHTHYLENE	11/34	9.1		190		G-SB-813-15-AVG, G-SB-813-15	3.7	390	57.7	31.3	470000	0	340000	N[7]	0
ANTHRACENE	13/34	9.1		630	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	150	69.8	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[12]	121/186	2.6		35343		G-SB-761-11	1.5	390	1756	1144	22	105	15		114
BAP EQUIVALENT-POSITIVE RESULTS[12]	121/186	0.54		35343		G-SB-761-11	1.5	390	1752	1141	22	103	15	C	111
BENZO(A)ANTHRACENE	117/186	1.9	J	30000		G-SB-761-11	1.1	390	1292	814	220	53	150	C	64
BENZO(A)PYRENE	117/186	6.2	J	24000		G-SB-761-11	1.5	390	1271	802	22	99	15	C	106
BENZO(B)FLUORANTHENE	118/184	2.1	J	27000		G-SB-761-11	1.3	4.3	1389	891	220	56	150	C	69
BENZO(B+K)FLUORANTHENE	1/2	74	J	74	J	SB-86-12	390	390	74.0	135	220 [8]	0	150	C[8]	0
BENZO(G,H,I)PERYLENE	15/34	10		1000	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	379	180	230000	0	170000	N[9]	0
BENZO(K)FLUORANTHENE	103/184	6.8	J	11000		G-SB-761-11	1.6	5.8	714	400	2200	9	1500	C	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	460	J	1300	J	G-SB-812-15	83	86	905	330	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	2/6	510	J	1400	J	G-SB-812-15	83	86	983	356	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	2/6	500	J	740	J	G-SB-812-15	83	86	643	242	NC	NC	NC		NC

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	250	J	720	J	G-SB-812-15	83	86	490	192	NC	NC	NC		NC
C2-NAPHTHALENES	1/6	66.5		90	J	G-SB-813-15	75	86	66.5	45.5	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	2/6	410	J	820	J	G-SB-812-15	83	86	625	237	NC	NC	NC		NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	88	J	240	J	G-SB-812-15	83	86	164	82.9	NC	NC	NC		NC
C3-FLUORENES	1/6	130	J	130	J	G-SB-812-15	83	88	130	57.1	NC	NC	NC		NC
C3-NAPHTHALENES	1/6	76.5		110	J	G-SB-813-15	75	86	77	47.2	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	2/6	200	J	510	J	G-SB-812-15	83	86	365	150	NC	NC	NC		NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/6	110	J	110	J	G-SB-812-15	83	88	110	53.8	NC	NC	NC		NC
C4-NAPHTHALENES	1/6	90	J	90	J	G-SB-812-15	83	88	90.0	50.4	NC	NC	NC		NC
C4-PHENANTHRENES/ANTHRACENES	1/6	170	J	170	J	G-SB-812-15	83	88	170	63.8	NC	NC	NC		NC
CHRYSENE	117/186	2	J	33000		G-SB-761-11	1	390	1454	916	22000	1	15000	C	2
DIBENZO(A,H)ANTHRACENE	56/186	4.725		4300		G-SB-761-11	1.5	390	412	127	22	51	15	C	53
FLUORANTHENE	23/34	8.4		2900	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	541	372	310000	0	230000	N	0
FLUORENE	6/34	22		280	J	G-SB-813-15-AVG, G-SB-813-15	3.7	390	90.7	28.9	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	108/186	1.4	J	12000		G-SB-761-11	0.43	390	719	420	220	43	150	C	50
NAPHTHALENE	4/34	13		37		G-SB-806-15	3.7	390	23.5	16.1	160000	0	3600	C	0
PAHs (continued) (ug/kg)															
PHENANTHRENE	18/34	12		2900	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	437	238	2300000	0	170000	N[9]	0
PYRENE	24/34	13		5200		G-SB-813-15-AVG, G-SB-813-15	3.8	390	913	651	230000	0	170000	N	0
Inorganics (mg/kg)															
ANTIMONY	1/6	0.28	J	0.28	J	OW-4-26	0.095	2.6	0.28	0.51	3.1	0	3.1	N	0
ARSENIC	10/11	0.19	L	5.6		G-SB-92RE-15	0.51	0.51	2.2	2.0	0.43	7	0.39	C	7
BARIUM	4/4	6		11.8		OW-6-20	--	--	8.5	8.5	1600	0	1500	N	0
BERYLLIUM	4/6	0.48		0.8		OW-6-20	2.6	2.6	0.65	0.87	16	0	16	N	0
CADMIUM	1/6	0.12		0.12		OW-6-20	0.0081	2.6	0.12	0.46	3.9	0	7	N	0
CHROMIUM	6/6	8.9	J	14		SB-85-12	--	--	10.5	10.5	12000 [10]	0	12000	N[10]	0
COBALT	4/4	2.1	J	8.1	J	OW-6-20	--	--	4.1	4.1	NC	NC	2.3	N	3
COPPER	6/6	4.6	J	12		SB-86-12, SB-85-12	--	--	7.9	7.9	310	0	310	N	0
IRON	4/4	6100	J	21600	J	OW-4-26	--	--	11600	11600	5500	4	5500	N	4
LEAD	6/6	2.5	J	16	J	SB-86-12	--	--	7.5	7.5	400	0	400		0
MANGANESE	4/4	30.6	J	156	J	OW-4-26	--	--	100	100	160	0	180	N	0
NICKEL	6/6	4.5	J	26	J	SB-85-12	--	--	12.1	12.1	160	0	150	N	0

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
SELENIUM	2/6	0.22	L	0.24	L	OW-4-26	0.19	2.6	0.23	0.54	39	0	39	N	0
SILVER	3/4	0.047		0.089		OW-4-26	0.03	0.03	0.06	0.05	39	0	39	N	0
THALLIUM	4/6	0.031		0.05		OW-4-26	2	2.1	0.04	0.37	0.55	0	NC		NC
VANADIUM	4/4	10.1	J	19.2	J	OW-6-30	--	--	15.0	15.0	7.8	4	39	N[11]	0
ZINC	6/6	10.5	K	110		SB-85-12	--	--	35.3	35.3	2300	0	2300	N	0
Petroleum Hydrocarbons (ug/kg)															
DIESEL RANGE ORGANICS	1/2	13000	J	13000	J	SB-85-12	11000	11000	13000	9250	230000	0	NC		NC
Miscellaneous Parameters (%)															
PERCENT SOLIDS	4/4	80.5		84.2		OW-4-30	--	--	82.9	82.9	NC	NC	NC		NC
Miscellaneous Parameters (mg/kg)															
TOTAL ORGANIC CARBON	1/1	1320		1320		MRC-MW12[1213]	--	--	1320	1320	NC	NC	NC		NC

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for xylenes.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value is for benzo(b)fluoranthene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for trivalent chromium.
11 - The value is for vanadium and compounds.
12 - See Section 3 for BaP equivalent calculation methodology.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
		Dermal Contact	6E-07	--	--	--	0.05	--
		Inhalation	1E-06	--	--	--	2	Target Organs HI < 1
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	2	Target Organs HI < 1
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.2	--
		Dermal Contact	2E-07	--	--	--	0.01	--
		Inhalation	9E-07	--	--	--	1	--
		Total	2E-06	--	--	--	2	Target Organs HI < 1
Industrial Worker	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.10	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	1E-08	--	--	--	0.0008	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	1.0	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.07	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.7	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	1E-09	--	--	--	0.0002	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.7	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.10	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	1E-08	--	--	--	0.0008	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
		Dermal Contact	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.2	--
		Inhalation	7E-09	--	--	--	0.0008	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
	Subsurface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.05	--
		Inhalation	5E-09	--	--	--	0.0006	--
		Total	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.3	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Inhalation	9E-09	--	--	--	0.0008	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.4	--
	Subsurface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.010	--
		Inhalation	8E-09	--	--	--	0.0006	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
Adult Recreational User	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	7E-09	--	--	--	0.0008	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	1E-06	--	--	--	0.007	--
		Inhalation	6E-09	--	--	--	0.0006	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	3	COBALT
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.2	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	3	COBALT
	Subsurface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.07	--
		Inhalation	2E-08	--	--	--	0.003	--
		Total	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
Adolescent Resident	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.5	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	4E-08	--	--	--	0.003	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.5	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.4	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.4	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	2E-06	--	--	--	0.01	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	8E-08	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-17

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,3-TRIMETHYLBENZENE	1/7	0.4	J	0.4	J	SB-284-0102	5	6	0.40	2.6	NC	NC	NC		NC	NC	NC	NC	NC
2-BUTANONE	6/6	4	J	29.4		SB-201-SS	--	--	12.8	12.8	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	8/9	39	L	210	J	SB-201-SS	27	27	107	96.4	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	7/11	1.7	J	3	J	SB-202-SS, SB-286-0102, SB-282-0102	2.3	6	2.4	2.4	780000	0	82000	N	0	19000	0	6200	0
CHLOROMETHANE	1/11	3	J	3	J	SB-284-0102	1.9	12	3.0	3.8	NC	NC	12000	N	0	930	0	980	0
ETHYLBENZENE	2/11	0.31	J	1.5	J	SB-201-SS	1.9	6	0.91	2.2	780000	0	5400	C	0	15000	0	34	0
METHYLENE CHLORIDE	3/11	2.9	J	4.9	J	SB-202-SS	3	16	3.6	4.1	85000	0	11000	C	0	19	0	24	0
N-BUTYLBENZENE	1/11	0.9	J	0.9	J	SB-284-0102	1.9	6	0.90	2.1	NC	NC	NC		NC	NC	NC	NC	NC
NAPHTHALENE	4/11	2	J	180	J	SB-284-0102	0.94	6	55.6	21.5	160000	0	3600	C	0	150	1	9.4	2
TERTIARY-BUTYL ALCOHOL	2/4	5	J	7	J	SB-201-SS	8	11	6.0	5.4	NC	NC	NC		NC	NC	NC	NC	NC
TOLUENE	3/11	7.8		13.3		SB-202-SS	1.9	6	9.7	4.6	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROETHENE	3/11	2.9		4.8		SB-202-SS	1.9	6	3.7	3.0	1600	0	2800	C	0	0.26	3	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	3/11	67.4	J	723	J	SB-201-SS	767	990	297	413	NC	NC	24000000	N	0	NC	NC	680000	0
DI-N-BUTYL PHTHALATE	1/11	31	J	31	J	SB-203-SS	192	400	31.0	151	780000	0	610000	N	0	5000000	0	184000	0
DIBENZOFURAN	1/11	27	J	27	J	SB-200-SS	110	400	27.0	139	7800	0	7800	N	0	NC	NC	13600	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	3/15	10		210	J	SB-284-0102	3.7	400	134	111	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	3/15	11		180	J	SB-284-0102	3.7	400	117	108	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	4/15	43	J	130	J	SB-283-0102	3.7	400	102	98.2	470000	0	340000	N	0	100000	0	440000	0
ANTHRACENE	5/15	31	J	283		SB-200-SS	3.7	400	147	117	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[12]	33/56	9		45883		H-SB-604D-1	1.4	400	2871	1716	22	24	15		26	NC	NC	70	12
BAP EQUIVALENT-POSITIVE RESULTS[12]	33/56	9		45883		H-SB-604D-1	1.4	400	2855	1707	22	24	15	C	26	120	10	70	10
BENZO(A)ANTHRACENE	18/29	11		38000		H-SB-604D-1	1	400	4215	2650	220	6	150	C	7	480	3	200	6
BENZO(A)PYRENE	33/56	9	J	33000		H-SB-604D-1	1.4	400	2098	1260	22	23	15	C	26	120	7	70	10
BENZO(B)FLUORANTHENE	18/29	11		31000		H-SB-604D-1	1.3	400	3754	2364	220	5	150	C	6	1500	3	700	3
BENZO(G,H,I)PERYLENE	4/15	37	J	180	J	SB-283-0102	3.7	400	104	109	230000	0	170000	N[6]	0	680000	0	2400000 [6]	0
BENZO(K)FLUORANTHENE	16/29	8.6		15000		H-SB-604D-1	1.9	400	1879	1077	2200	3	1500	C	3	15000	0	7000	2
CHRYSENE	18/29	9.7		33000		H-SB-604D-1	0.99	400	4006	2520	22000	1	15000	C	3	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	7/29	26		4500		H-SB-604D-1	1.4	400	1047	304	22	7	15	C	7	460	2	220	2
FLUORANTHENE	6/15	55	J	840		SB-200-SS	3.7	400	358	209	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	5/15	28	J	180	J	SB-283-0102	3.7	400	114	106	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	16/29	16		13000		H-SB-604D-1	1.6	400	1850	1063	220	3	150	C	5	4200	3	2400	3
NAPHTHALENE	3/15	42		239		SB-200-SS	3.7	400	160	116	160000	0	3600	C	0	150	2	9.4	3
PHENANTHRENE	6/15	42	J	1020		SB-200-SS	3.7	400	513	271	2300000	0	170000	N[6]	0	470000	0	2400000 [6]	0
PYRENE	9/15	8.5		970		SB-283-0102	3.9	400	305	245	230000	0	170000	N	0	680000	0	2400000	0
Inorganics (mg/kg)																			
ANTIMONY	4/10	0.6		1		SB-201-SS, SB-203-SS	0.34	0.71	0.88	0.48	3.1	0	3.1	N	0	13	0	13.2	0
ARSENIC	6/11	0.7		6.1		SB-282-0102	0.7	4.8	2.9	2.1	0.43	6	0.39	C	6	0.026	6	0.026	6
BARIUM	11/11	16.3		74		SB-201-SS	--	--	31.3	31.3	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	10/11	0.23		1.4		SB-201-SS	0.37	0.37	0.70	0.65	16	0	16	N	0	1200	0	1160	0
CADMIUM	4/11	0.06		0.5		SB-201-SS	0.03	0.42	0.21	0.12	3.9	0	7	N	0	27	0	28	0
CHROMIUM	11/11	7.8		30.7		SB-286-0102	--	--	15.8	15.8	12000 [7]	0	12000	N[7]	0	2E+09 [7]	0	1980000000 [7]	0
COBALT	11/11	2.8		19.7		SB-201-SS	--	--	6.5	6.5	NC	NC	2.3	N	11	NC	NC	9.8	1
COPPER	11/11	4.5		13.6		SB-285-0102	--	--	6.9	6.9	310	0	310	N	0	11000	0	1020	0
LEAD	11/11	3.4		18		SB-201-SS	--	--	6.8	6.8	400	0	400		0	NC	NC	280 [8]	0

Table 4-17

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
MERCURY	25/48	0.01	1.14 L	SB-201-SS	0.01	0.021	0.13	0.07	2.3 [9]	0	2.3 N[10]	0	NC	NC	NC	NC
MOLYBDENUM	6/11	0.2	0.55 K	SB-294-0001	0.4	0.9	0.39	0.35	NC	NC	39 N	0	NC	NC	74	0
NICKEL	11/11	5.1	15	SB-285-0102	--	--	9.1	9.1	160	0	150 N	0	NC	NC	960	0
SELENIUM	1/11	2	2	SB-202-SS	0.29	2	2.0	0.57	39	0	39 N	0	19	0	19	0
SILVER	1/11	0.41 L	0.41 L	SB-293-0102	0.04	0.42	0.41	0.09	39	0	39 N	0	31	0	32	0
VANADIUM	11/11	13.1	37.9	SB-285-0102	--	--	21.7	21.7	7.8	11	39 N[11]	0	730	0	3600	0
ZINC	11/11	15.9	45	SB-201-SS	--	--	25.4	25.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	4/4	37300	2E+05	SB-201-SS	--	--	167575	167575	230000	1	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	2/11	3200	12000	SB-282-0102	2600	13300	7600	3710	230000	0	NC	NC	NC	NC	NC	NC
TPH (C09-C36)	6/7	3300 J	34000	SB-284-0102	6100	6100	19217	16907	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	1/1	0.219 J	0.219 J	SB-201-SS	--	--	0.22	0.22	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	27/27	78.1	90.3	SB-478-0102	--	--	87.3	87.3	NC	NC	NC	NC	NC	NC	NC	NC
TOTAL SOLIDS	7/7	82	92	SB-293-0102	--	--	87.7	87.7	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	6	6	SB-200-SS	--	--	6.0	6.0	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - The value is for trivalent chromium.
8 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.
12 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-18

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,2,3-TRIMETHYLBENZENE	1/14	0.8 J	0.8 J	SB-285-0405	6	7	0.80	2.9	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4-TRIMETHYLBENZENE	1/22	3.3	3.3	SB-200-10	0.55	7	3.3	2.3	NC	NC	6200 N	0	NC	NC	420	0
1,3,5-TRIMETHYLBENZENE	1/8	0.94 J	0.94 J	SB-200-10	1.98	2.35	0.94	1.0	NC	NC	78000 N	0	NC	NC	10400	0
2-BUTANONE	4/8	2.14 J	7.39 J	SB-201-05	7.92	9.41	4.8	4.5	4700000	0	2800000 N	0	29000	0	30000	0
ACETONE	17/19	4.4 J	111 J	SB-201-05	6	15	31.7	28.9	7000000	0	6100000 N	0	22000	0	90000	0
CARBON DISULFIDE	2/22	0.68 J	1.9 J	SB-201-05	2	7	1.3	2.4	780000	0	82000 N	0	19000	0	6200	0
ETHYLBENZENE	1/22	1.2 J	1.2 J	SB-200-10	2	7	1.2	2.3	780000	0	5400 C	0	15000	0	34	0
M+P-XYLENES	1/22	4.9	4.9	SB-200-10	4	14	4.9	4.8	1600000 [6]	0	63000 N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	2/22	2.4 J	3.8 J	SB-201-10	3	11	3.1	3.0	85000	0	11000 C	0	19	0	24	0
NAPHTHALENE	9/22	0.56 J	130	SB-285-0405	2	6	31.7	14.3	160000	0	3600 C	0	150	0	9.4	5
O-XYLENE	1/22	1.2 J	1.2 J	SB-200-10	2	7	1.2	2.3	1600000 [6]	0	380000 N	0	3000 [6]	0	24000	0
TERTIARY-BUTYL ALCOHOL	4/8	5 J	6 J	SB-203-10, SB-201-10	8	9	5.5	4.9	NC	NC	NC	NC	NC	NC	NC	NC
TOLUENE	7/22	1.5 J	7.6	SB-201-10	2.2	7	5.1	3.6	630000	0	500000 N	0	27000	0	32000	0
TRICHLOROETHENE	6/22	1.1 J	2.7	SB-201-10, SB-202-05	2	7	2.3	2.7	1600	0	2800 C	0	0.26	6	14.4	0
TRICHLOROFLUOROMETHANE	3/22	0.74 J	2 J	SB-293-0405	2	14	1.2	4.0	NC	NC	79000 N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																
BENZOIC ACID	4/22	43 J	51 J	SB-201-10	773	1200	46.5	399	NC	NC	24000000 N	0	NC	NC	680000	0
DI-N-BUTYL PHTHALATE	1/22	38 J	38 J	SB-201-05	195	470	38.0	162	780000	0	610000 N	0	5000000	0	184000	0
DIBENZOFURAN	2/22	91 J	110 J	SB-285-0405	115	470	101	147	7800	0	7800 N	0	NC	NC	13600	0
N-NITROSODIPHENYLAMINE	1/22	34 J	34 J	SB-200-10	115	470	34.0	148	130000	0	99000 C	0	760	0	1500	0
PAHs (ug/kg)																
1-METHYLNAPHTHALENE	7/38	40	700	SB-285-0405	3.5	440	305	116	NC	NC	22000 C	0	NC	NC	240	4
2-METHYLNAPHTHALENE	7/38	37	1100	SB-285-0405	3.5	440	335	121	31000	0	31000 N	0	4400	0	15000	0
ACENAPHTHENE	8/38	30 J	430	SB-285-0405	3.5	440	185	98.3	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	1/38	100	100	H-SB-814-09	3.5	470	100	86.2	470000	0	340000 N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	9/38	34 J	595	SB-200-10	3.5	440	249	113	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[15]	57/229	1.8	5337	H-SB-614-10	1.4	470	432	128	22	44	15	49	NC	NC	70	29
BAP EQUIVALENT-POSITIVE RESULTS[15]	57/229	0.9	5330	H-SB-614-10	1.4	470	414	123	22	42	15 C	48	120	24	70	28
BENZO(A)ANTHRACENE	49/121	4.8	3900	H-SB-614-10	1.1	470	390	176	220	16	150 C	18	480	10	200	17
BENZO(A)PYRENE	52/228	8.2	4300	H-SB-614-10	1.4	470	331	95.3	22	40	15 C	46	120	20	70	24
BENZO(B)FLUORANTHENE	45/121	7.9	4100	H-SB-614-10	1.3	470	403	169	220	16	150 C	18	1500	3	700	7
BENZO(G,H,I)PERYLENE	8/38	40	650	SB-285-0405	3.5	470	258	120	230000	0	170000 N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	36/121	7.8	1600	H-SB-614-10	1.9	470	196	79.1	2200	0	1500 C	1	15000	0	7000	0
CHRYSENE	47/121	10	3900	H-SB-282RE-9	1	470	441	190	22000	0	15000 C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	17/121	18	430	H-SB-282RE-9	1.5	470	97.7	40.1	22	15	15 C	17	460	0	220	1
FLUORANTHENE	17/38	10	1770	SB-200-10	3.5	440	389	221	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	8/38	32 J	507	SB-200-10	3.5	440	234	109	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	37/121	7.9	2100	H-SB-614-10	1.7	470	244	95.4	220	11	150 C	14	4200	0	2400	0
NAPHTHALENE	6/38	28	1200	SB-285-0405	3.5	440	385	121	160000	0	3600 C	0	150	4	9.4	6
PHENANTHRENE	13/38	16 J	2610	SB-200-10	3.5	440	738	300	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	17/38	11	2900	SB-285-0405	3.5	440	640	333	230000	0	170000 N	0	680000	0	2400000	0
TOTAL PAHS	60/229	4.5	19600	H-SB-614-10	0	0	2207	578	NC	NC	NC	NC	NC	NC	NC	NC
Inorganics (mg/kg)																
ANTIMONY	2/20	0.8	0.9	SB-201-05	0.2	1.34	0.85	0.34	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	15/22	1	7.4	SB-283-0910	0.54	5.3	3.5	2.8	0.43	15	0.39 C	15	0.026	15	0.026	15
BARIUM	22/22	2.8	79	SB-200-10	--	--	22.6	22.6	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	19/22	0.33 L	4.5	SB-202-10	0.14	0.37	1.7	1.5	16	0	16 N	0	1200	0	1160	0

Table 4-18

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
CADMIUM	7/22	0.08	0.2	SB-202-05, SB-202-10	0.03	0.46	0.12	0.09	3.9	0	7 N	0	27	0	28	0
CHROMIUM	22/22	7.5	90.4	SB-286-0405	--	--	28.8	28.8	12000 (10)	0	12000 N(10)	0	2000000000 (10)	0	1980000000 (10)	0
COBALT	22/22	1.8	30.8	SB-203-05	--	--	9.4	9.4	NC	NC	2.3 N	20	NC	NC	9.8	7
COPPER	21/22	4.1	23 K	SB-282-0405, SB-203-05	2.3	2.3	11.7	11.3	310	0	310 N	0	11000	0	1020	0
LEAD	21/22	1.6	17	SB-200-10, SB-202-05	4	4	7.5	7.2	400	0	400	0	NC	NC	280 (11)	0
MERCURY	15/128	0.01 L	0.24 L	SB-201-05	0.01	0.022	0.08	0.02	2.3 (12)	0	2.3 N(13)	0	NC	NC	NC	NC
MOLYBDENUM	8/22	0.17	1.2	SB-294-0910	0.15	0.6	0.48	0.31	NC	NC	39 N	0	NC	NC	74	0
NICKEL	22/22	2.7	44	SB-203-05	--	--	18.9	18.9	160	0	150 N	0	NC	NC	960	0
SELENIUM	2/22	3	3	SB-200-10, SB-201-10	0.27	2	3.0	0.73	39	0	39 N	0	19	0	19	0
SILVER	1/22	0.44 L	0.44 L	SB-293-0910	0.05	0.47	0.44	0.10	39	0	39 N	0	31	0	32	0
VANADIUM	22/22	5.7	52.9	SB-200-10	--	--	33.5	33.5	7.8	21	39 N(14)	9	730	0	3600	0
ZINC	22/22	4	83.1	SB-283-0910	--	--	37.6	37.6	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	6/8	11100	173000	SB-200-10	2400	3800	51233	38813	230000	0	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	4/23	36 J	9000	SB-293-0405	2700	15200	4684	3493	230000	0	NC	NC	NC	NC	NC	NC
TPH (C09-C36)	8/14	2900 J	200000	SB-285-0405	2200	8700	65538	38607	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	1/5	0.78	0.78	SB-203-05	0.3	0.4	0.78	0.31	23	0	0.29 C	1	42	0	0.0166	1
TOTAL ORGANIC CARBON	1/1	1350	1350	MRC-MW08[0809]	--	--	1350	1350	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	108/108	73.9	90.9	SB-474-0506	--	--	84.2	84.2	NC	NC	NC	NC	NC	NC	NC	NC
TOTAL SOLIDS	14/14	70	87	SB-282-0910	--	--	82.1	82.1	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	2/2	4.9	5	SB-200-10	--	--	5.0	5.0	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for trivalent chromium.
11 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.
15 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-19

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	1/10	11		11		H-SB-816-11	3.9	4.2	11.0	2.9	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	1/10	13		13		H-SB-816-11	3.9	4.2	13.0	3.1	31000	0	31000	N	0
ACENAPHTHENE	2/10	10		38	J	H-SB-816-11	3.9	4.1	24.0	6.4	470000	0	340000	N	0
ACENAPHTHYLENE	2/10	8		9		H-SB-815-13	3.9	4.1	8.5	3.3	470000	0	340000	N[6]	0
ANTHRACENE	3/10	12		58	J	H-SB-816-11	3.9	4.1	38.3	12.9	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[8]	36/61	2.6		2123		H-SB-282REC-11	1.5	33	240	143	22	25	15		29
BAP EQUIVALENT-POSITIVE RESULTS[8]	36/61	0.96		2121		H-SB-282REC-11	1.5	33	239	142	22	25	15	C	26
BENZO(A)ANTHRACENE	34/61	5.775		1800		H-SB-282REC-11	1.1	24	212	119	220	7	150	C	8
BENZO(A)PYRENE	31/61	5.15		1700		H-SB-282REC-11	1.5	33	206	106	22	23	15	C	24
BENZO(B)FLUORANTHENE	33/61	4.8		1500		H-SB-282REC-11	1.4	31	215	117	220	7	150	C	11
BENZO(G,H,I)PERYLENE	5/10	9		160		H-SB-815-13	3.9	4	69.6	35.8	230000	0	170000	N[7]	0
BENZO(K)FLUORANTHENE	26/61	9.8		620		H-SB-282REC-11	1.9	44	120	52.5	2200	0	1500	C	0
C1-CHRYSENES	1/2	240	J	240	J	H-SB-816-11	78	78	240	140	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	1/2	290	J	290	J	H-SB-816-11	78	78	290	165	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	1/2	220	J	220	J	H-SB-816-11	78	78	220	130	NC	NC	NC		NC
C2-CHRYSENES	1/2	140	J	140	J	H-SB-816-11	78	78	140	89.5	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	1/2	180	J	180	J	H-SB-816-11	78	78	180	110	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	1/2	100	J	100	J	H-SB-816-11	78	78	100	69.5	NC	NC	NC		NC
CHRYSENE	33/61	6.275		2000		H-SB-282REC-11	1	23	237	129	22000	0	15000	C	0
DIBENZO(A,H)ANTHRACENE	7/61	14		210		H-SB-282RE-13	1.4	33	59.9	8.3	22	5	15	C	6
FLUORANTHENE	6/10	9.7		210		H-SB-815-13	3.9	4	81.8	49.9	310000	0	230000	N	0
FLUORENE	3/10	8.7		42	J	H-SB-816-11	3.9	4.1	22.2	8.1	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	28/61	13		830		H-SB-282REC-11	1.7	39	122	57.0	220	4	150	C	5
NAPHTHALENE	1/10	10		10		H-SB-815-13	3.9	4.1	10.0	2.8	160000	0	3600	C	0
PHENANTHRENE	4/10	11		170	J	H-SB-816-11	3.9	4	80.0	33.2	2300000	0	170000	N[7]	0
PYRENE	5/10	12		340	J	H-SB-816-11	3.9	4	154	78.1	230000	0	170000	N	0

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.

2 - Average of positive analytical results only.

3 - Average of all analytical results are calculated using half of the detection limit for nondetects.

4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.

5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.

6 - The value for acenaphthene is used as a surrogate for acenaphthylene.

7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
N = Noncarcinogen
NC = No criteria

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	2E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.009	--
		Inhalation	5E-07	--	--	--	0.3	--
		Total	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
	Subsurface Soil	Incidental Ingestion	5E-07	--	--	--	0.1	--
		Dermal Contact	1E-07	--	--	--	0.007	--
		Inhalation	6E-07	--	--	--	0.4	--
		Total	1E-06	--	--	--	0.5	--
Industrial Worker	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.008	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.03	--
		Dermal Contact	2E-06	--	--	--	0.007	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	3E-06	--	--	--	0.04	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC	0.3	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.01	--
		Inhalation	1E-09	--	--	--	0.00004	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.3	--
	Subsurface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--
		Dermal Contact	3E-06	--	--	HEXAVALENT CHROMIUM	0.01	--
		Inhalation	2E-09	--	--	--	0.00009	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.010	--
		Inhalation	1E-09	--	--	--	0.00004	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.06	--
		Dermal Contact	2E-06	--	--	--	0.009	--
		Inhalation	3E-09	--	--	--	0.00009	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.07	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC	NA	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-09	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.008	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.03	--
		Dermal Contact	2E-06	--	--	--	0.007	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	3E-06	--	--	--	0.04	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	4E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.5	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.03	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.5	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.6	--
		Dermal Contact	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.03	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.6	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.09	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.006	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.10	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	ARSENIC	0.1	--
		Dermal Contact	2E-06	--	--	--	0.006	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.1	--
Adult Recreational User	Surface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.005	--
		Inhalation	3E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.06	--
		Dermal Contact	5E-07	--	--	--	0.004	--
		Inhalation	7E-09	--	--	--	0.0003	--
		Total	2E-06	--	--	--	0.07	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	6E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	5E-08	--	--	--	NA	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	0.04	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	7E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.8	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.04	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.9	--
Adolescent Resident	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.009	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	2E-06	--	--	--	0.008	--
		Inhalation	4E-08	--	--	--	0.001	--
		Total	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.2	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.07	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.007	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.08	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.09	--
		Dermal Contact	7E-07	--	--	--	0.006	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	3E-06	--	--	--	0.09	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	6E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	NA	--
		Inhalation	5E-08	--	--	--	NA	--
		Total	9E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-21

Chemicals Retained as Block-Specific COPC for Migration to Groundwater - Surface Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Block-Specific COPC?				
	Block D	Block E	Block F	Block G	Block H
Volatile Organic Compounds					
1,2,3-Trichlorobenzene		X			
1,2,4-Trichlorobenzene		X			
1,2,4-Trimethylbenzene	X			X	
1,1-Dichloroethane				X	
1,2-Dichlorobenzene		X			
1,3-Dichlorobenzene		X			
1,4-Dichlorobenzene		X			
Benzene	X				
Ethylbenzene	X				X
Methylene Chloride	X	X	X	X	X
Naphthalene	X	X		X	X
Tetrachloroethene		X			
Trichloroethene				X	X
Semivolatile Organic Compounds					
Carbazole	X	X	X	X	
Dibenzofuran	X	X	X		X
Polycyclic Aromatic Hydrocarbons					
1-Methylnaphthalene	X		X	X	X
2-Methylnaphthalene	X	X	X	X	X
Benzo(a)pyrene Equivalents[(1)]	X	X	X	X	X
Benzo(a)anthracene	X	X	X	X	X
Benzo(a)pyrene	X	X	X	X	X
Benzo(b)fluoranthene	X	X	X	X	X
Benzo(b+k)fluoranthene	NA	NA	NA	X	NA
Benzo(k)fluoranthene	X	X	X	X	X
Chrysene	X	X	X	X	X
Dibenzo(a,h)anthracene	X	X	X	X	X
Indeno(1,2,3-cd)pyrene	X	X	X	X	X
Naphthalene	X	X	X	X	X
Pesticides/PCBs					
Aroclor-1242		X			
Aroclor-1254		X	X	X	
Aroclor-1260	X	X	X	X	
Beta-BHC	X	NA			NA
Total Aroclor	X	X	X	X	
Inorganics					
Antimony	X	X	X	X	X
Arsenic	X	X	X	X	X
Cadmium	X	X	X	X	X
Cobalt	X	X	X	X	X
Copper	X	X	X	X	X
Iron	X	X	NA	NA	NA
Lead	X	X	X	X	X
Manganese	X	X	NA	NA	NA
Molybdenum	X	X	X		X
Nickel	X	X	X	X	X
Selenium	X	X	X	X	X
Silver	X	X	X		X
Miscellaneous Parameters					
Hexavalent Chromium	X	NA	X	NA	

Notes
X - Chemical was retained as a block-specific COPC.
NA - Not analyzed.

1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-22

Chemicals Retained as Block-Specific COPC for Migration to Groundwater - Subsurface Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

	Block-Specific COPC?				
Parameter	**Block D**	**Block E**	**Block F**	**Block G**	**Block H**
Volatile Organic Compounds					
1,2,3-Trichlorobenzene		X			
1,2,4-Trichlorobenzene		X			
1,2,4-Trimethylbenzene	X	X	X	X	X
1,2-Dichlorobenzene		X			
1,2-Dichloroethane		X			
1,3-Dichlorobenzene		X			
1,4-Dichlorobenzene		X			
Acetone	X	X	X	X	X
Benzene	X	X		X	
Carbon Tetrachloride		X			
Chlorobenzene		X			
Ethylbenzene	X		X	X	X
m+p-Xylenes	X	X	X		X
Methylene Chloride	X	X	X	X	X
Naphthalene	X	X	X	X	X
Tetrachloroethene		X			
Total Xylenes	X	X	X	X	
Trichloroethene		X		X	X
Vinyl Chloride		X			
Semivolatile Organic Compounds					
Carbazole	X	X	X	X	
Dibenzofuran	X	X	X	X	X
N-nitrosodiphenylamine			X		X
Polycyclic Aromatic Hydrocarbons					
1-Methylnaphthalene	X		X	X	X
2-Methylnaphthalene	X	X	X	X	X
Acenaphthene	X	X	X	X	X
Benzo(a)pyrene Equivalents[(1)]	X	X	X	X	X
Benzo(a)anthracene	X	X	X	X	X
Benzo(a)pyrene	X	X	X	X	X
Benzo(b)fluoranthene	X	X	X	X	X
Benzo(k)fluoranthene	X	X	X	X	X
Chrysene	X	X	X	X	X
Dibenzo(a,h)anthracene	X	X	X	X	X
Indeno(1,2,3-cd)pyrene	X	X	X	X	X
Naphthalene	X	X	X	X	X
Pesticides/PCBs					
Aroclor-1254		X			
Aroclor-1260	X	X	X	X	
Beta-BHC	X	NA			NA
Total Aroclor	X	X	X	X	
Inorganics					
Antimony	X	X	X	X	X
Arsenic	X	X	X	X	X
Cobalt	X	X	X	X	X
Copper	X	X	X	X	X
Iron	X	X	NA	X	NA
Lead	X	X	X	X	X
Manganese	X	X	NA	X	NA
Nickel	X	X	X	X	X
Selenium	X	X	X	X	X
Silver	X	X	X	X	X
Miscellaneous Parameters					
Hexavalent Chromium	X	NA			X

Notes
X - Chemical was retained as a block-specific COPC.
NA - Not analyzed.

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK D	BLOCK D	BLOCK D	BLOCK E	BLOCK E	BLOCK E	BLOCK E
LOCATION				MRC-MW35A	MRC-MW39A	MRC-MW40A	MRC-MW30A	MRC-MW31A	MRC-MW32A	MRC-MW34A
SAMPLE ID				MRC-MW35A-062510	MRC-MW39A-062110	MRC-MW40A-062410	MRC-MW30A-052810	MRC-MW31A-060110	MRC-MW32A-060210	MRC-MW34A-061510
SAMPLE DATE				20100625	20100621	20100624	20100528	20100601	20100602	20100615
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	0.15 U	0.25 J	0.15 U	0.15 U	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.19 U	0.48 J	0.19 U	0.19 U	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 UJ	0.17 U	0.17 U	0.19 B	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 UJ	0.47 J	0.15 U	0.54 B	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
ACETONE	550	22000	NC	3.7 B	5.7 B	2.8 B	5.7 B	7.9 B	6.6 B	3.6 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.19 J	**0.92 J**	0.16 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 J
CIS-1,2-DICHLOROETHENE	70	73	70	0.44 J	0.17 U	0.17 U	18	0.36 J	0.17 U	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	0.21 J	2 J	0.17 U	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	1.7	0.19 U	0.19 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	0.17 U	**29**	0.9 J	0.55 J	**15**
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	NA	NA	NA
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.26 UJ
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 U
METALS (UG/L)										
ANTIMONY	6	15	6	0.96 J	0.027 U	0.027 B	0.46 B	0.035 B	0.027 U	0.053 B
ARSENIC	10	0.045	10	**31.2**	**1.9 J**	0.16 U	0.41 B	0.16 U	0.16 U	0.16 U
BARIUM	2000	7300	2000	74.1	47.6	26.4	92.2	89.6	21.9	95.8
BERYLLIUM	4	73	4	0.034 B	0.22 J	4	0.11 B	**5.7**	1 B	0.078 B
CADMIUM	5	18	5	0.025 UL	0.025 UL	0.025 U	0.046 B	0.039 B	0.025 U	0.047 B
CHROMIUM	100	NC	100	1.8 J	0.64 B	1.5 J	0.77 J	0.69 B	1.3 J	0.47 J
COBALT	NC	11	NC	1.8	5.8	**21.8**	2.9	**45.4**	3.2	0.99 J
COPPER	1300	1500	1300	0.38 B	0.13 B	7.1	0.87 B	25.2	3.7 B	0.26 B
IRON	300	26000	NC	**92900 K**	**28600**	129	142 B	**325**	**916**	6 U
LEAD	15	NC	15	0.28 B	0.038 B	0.045 B	0.11 B	0.47 J	0.42 B	0.019 UL
MANGANESE	50	880	NC	**254**	**256**	28.6	32	24.1	3.6 B	3.5
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.27 U	0.41 J	0.27 U	0.27 U	0.27 U
NICKEL	73	730	NC	0.47 J	7.5	29.8	4.7	**88.9**	5	1.2 B
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	9010
SELENIUM	50	180	50	0.76 J	0.13 U	0.13 U	1.5 J	0.13 U	0.13 U	1.7 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	2.6 J	0.43 U	0.43 U	**9.6 J**	0.57 J	2.1 J	0.43 U
ZINC	5000	11000	NC	2.9 B	2.7 B	62	21.1 B	93.3	17.4 B	2.9 B
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	27
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 U
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	69.8
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.6 J
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	1.1
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 J
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	11.3
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	220
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	**0.96 J**

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 8

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E
LOCATION				MRC-MW34B	MRC-MW34C	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72A	MRC-MW72B
SAMPLE ID				MRC-MW34B-061710	MRC-MW34C-061710	MRC-MW36A-060310	MRC-MW43A-060210	MRC-MW44A-052810	MRC-MW72A-060310	MRC-MW72B-060310
SAMPLE DATE				20100617	20100617	20100603	20100602	20100528	20100603	20100603
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.7 U	140 U	0.28 U	0.28 U	47 U
1,1-DICHLOROETHANE	90	2.4	NC	0.82 J	0.15 U	0.38 U	75 U	0.15 U	0.58 J	25 U
1,1-DICHLOROETHENE	7	340	7	0.33 J	0.19 U	0.48 U	95 U	0.19 U	0.19 U	32 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	16	**2000**	0.17 U	0.33 B	28 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	**91**	**11000**	0.15 U	0.93 B	25 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	4.3	**450 J**	0.13 U	0.13 U	22 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	**22**	70 U	0.14 U	0.14 U	23 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	**25**	**570**	0.13 U	0.13 U	22 U
ACETONE	550	22000	NC	6.9 B	5.5 B	7.8 J	550 U	6.8 B	13	180 U
BENZENE	5	0.41	5	0.13 U	0.13 U	**0.91 J**	65 U	0.13 U	0.13 U	22 U
CARBON TETRACHLORIDE	5	0.44	5	**13**	0.13 U	0.32 U	65 U	0.13 U	0.13 U	22 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	37	75 U	0.15 U	0.15 U	25 U
CHLOROFORM	80	0.19	80	**3.2**	0.16 U	0.4 U	80 U	0.16 U	0.16 U	27 U
CHLOROMETHANE	19	190	NC	0.38 J	0.39 J	0.75 U	150 U	0.3 U	0.3 U	50 U
CIS-1,2-DICHLOROETHENE	70	73	70	22	0.17 U	0.63 J	85 U	0.17 U	2.8	28 U
METHYL TERT-BUTYL ETHER	20	12	NC	**21**	0.17 U	0.42 U	85 U	0.17 UJ	0.17 U	28 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.82 U	160 U	0.33 U	0.33 U	55 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	31 L	3.9 UR	9.8 UR	2000 UR	3.9 UR	3.9 UR	650 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.72 U	140 U	0.29 U	0.29 U	48 U
TRANS-1,2-DICHLOROETHENE	100	110	100	1.9	0.19 U	0.48 U	95 U	0.19 U	0.19 U	32 U
TRICHLOROETHENE	5	2	5	**25**	0.17 U	**4.4**	85 U	0.17 U	0.8 J	**4200**
VINYL CHLORIDE	2	0.016	2	**3.8**	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	**4.6**	NA	NA
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	0.55	NA	0.26 U	0.36 J	NA	NA	NA
METHANE	NC	NC	NC	150	NA	21	36	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.027 U	0.027 U	0.57 B	0.027 U	0.095 B	0.12 B	0.027 B
ARSENIC	10	0.045	10	0.45 B	0.63 B	**1.8 J**	0.16 U	**1.6 J**	0.16 U	0.16 U
BARIUM	2000	7300	2000	148	31	51	37.9	102	40.9	14.8
BERYLLIUM	4	73	4	**9.4**	0.11 B	3.4	1.6	0.12 B	0.042 B	0.79 J
CADMIUM	5	18	5	0.37 B	0.025 U	0.073 B	0.06 B	0.025 UL	0.025 U	0.025 U
CHROMIUM	100	NC	100	0.43 J	3.8	12	0.26 B	1.4 J	0.21 B	0.11 B
COBALT	NC	11	NC	**124**	1.4	**38.4**	**40.3**	0.89 J	0.97 J	10.6
COPPER	1300	1500	1300	36.8	3.3 B	10.6	0.8 B	0.46 B	0.2 B	1.7 B
IRON	300	26000	NC	**372**	**2220**	**13400**	**5120**	**33200**	**468**	43.5 J
LEAD	15	NC	15	0.019 UL	0.6 J	3.5	0.11 B	0.13 B	0.019 UL	0.019 UL
MANGANESE	50	880	NC	**417**	38.2	**81.2**	**878**	**363**	20.4	**68**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.46 J	0.27 U	0.27 U	0.27 U	0.27 U
NICKEL	73	730	NC	**162**	4.1	52.8	38.9	0.44 B	1.4 B	12.4
POTASSIUM	NC	NC	NC	6380	NA	2260	4920	NA	NA	NA
SELENIUM	50	180	50	1.1 J	0.13 U	0.64 J	0.13 U	0.13 UL	0.44 J	0.13 U
SILVER	100	180	NC	0.015 UL	0.015 UL	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.26 B	0.13 U	0.29 B	0.13 U	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.7 J	**8.1 J**	**22.2**	0.43 U	1.2 J	0.43 U	0.65 B
ZINC	5000	11000	NC	329	11.4 B	92	62.6	69.8 B	26.2 B	116
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	5.1 B	NA	7.4	16	NA	NA	NA
AMMONIA-N	NC	NC	NC	0.1 U	NA	0.1 U	0.1 U	NA	NA	NA
CHLORIDE	NC	NC	NC	189	NA	19.8	58.9	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	2	NA	3	1	NA	NA	NA
NITRATE-N	NC	NC	NC	0.1	NA	0.2 J	0.1	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	0.4 J	NA	1.2 J	0.3 J	NA	NA	NA
SULFATE	NC	NC	NC	16.8	NA	18.9	4.8	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	360	NA	100	140	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	0.11 U	0.11 U	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK F
LOCATION				MRC-MW73A	MRC-MW73B	MRC-MW74A	MRC-MW74B	MRC-MW74C	MRC-MW62C	MRC-MW45A
SAMPLE ID				MRC-MW73A-060410	MRC-MW73B-060410	MRC-MW74A-060410	MRC-MW74B-060710	MRC-MW74C-060710	MRC-MW62C-052810	MRC-MW45A-062110
SAMPLE DATE				20100604	20100604	20100604	20100607	20100607	20100528	20100621
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	1.4 U	0.7 U	200 U	0.28 U	0.28 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.75 U	0.38 U	110 U	0.15 U	0.15 U	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.95 U	0.48 U	140 U	0.19 U	0.19 U	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.85 U	0.42 U	120 U	0.17 U	0.17 U	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.75 U	0.38 U	110 U	0.15 U	0.15 U	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.7 U	0.45 J	100 U	0.14 U	0.14 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.65 U	**1.3 J**	93 U	0.13 U	0.13 U	0.13 U
ACETONE	550	22000	NC	9.9	10 J	5.7 J	790 U	7.9	9.6 B	5 B
BENZENE	5	0.41	5	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.75 U	1.3 J	110 U	0.15 U	0.15 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.8 U	0.4 U	110 U	0.16 U	0.16 U	0.16 U
CHLOROMETHANE	19	190	NC	1.3	1.5 U	0.75 U	210 U	0.3 U	0.3 U	0.53 J
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	3.1 J	2.7	**360 J**	0.17 U	0.17 U	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.85 U	0.42 U	120 U	0.17 U	0.17 UJ	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	1.6 U	0.82 U	240 U	0.33 U	0.33 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	20 UR	9.8 UR	2800 UR	3.9 UR	3.9 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	1.4 U	0.72 U	210 U	0.29 U	0.29 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.95 U	0.48 U	140 U	0.19 U	0.19 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	**150**	**78**	**19000**	**3.7**	0.17 U	0.17 U
VINYL CHLORIDE	2	0.016	2	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	0.49 U	0.49 U	0.49 U
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.1 B	0.027 U	0.05 B	0.1 B	0.27 B	0.4 B	1.2 J
ARSENIC	10	0.045	10	**0.16 J**	0.16 U	**0.75 J**	0.28 B	**1.1 J**	**1.2 J**	**0.99 J**
BARIUM	2000	7300	2000	37.4	30.7	60.8	33.2	32	42.5	22
BERYLLIUM	4	73	4	0.36 J	1.9 B	0.87 J	0.39 B	0.22 B	0.0059 U	0.32 J
CADMIUM	5	18	5	0.062 B	0.025 U	0.14 B	0.11 B	0.025 U	0.025 U	0.14 B
CHROMIUM	100	NC	100	0.61 J	0.25 B	1.9 J	1.2 J	3.5	1.5 J	7.3
COBALT	NC	11	NC	9.9	**19.2**	**45.2**	**13.8**	2.4	**15.7**	4.3
COPPER	1300	1500	1300	2 B	3.8 B	5.1 B	2.6 B	3.4 B	1.7 B	20.2
IRON	300	26000	NC	**503**	**826**	**4580**	**1240**	**4630**	**2450**	**5680**
LEAD	15	NC	15	0.019 UL	0.019 UL	0.17 B	0.099 B	0.71 J	0.49 J	11.8
MANGANESE	50	880	NC	33.6	**102**	**3370**	**202**	45	**388**	**187**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.27 U	0.27 U	0.75 B	0.62 B	0.41 J
NICKEL	73	730	NC	22.8	19.5	9.7	17.6	4.3	24.5	49.9
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.54 J	0.13 U	1 J	0.26 B	0.15 B	0.13 U	0.2 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.1 B
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.19 B	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.3 B	1.2 B	2.5 J	2.1 J	**4.9 J**	**8.4 J**	**7.3 J**
ZINC	5000	11000	NC	27.8 B	56.6	119	290	361	53.8	**5520**
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK F	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G
LOCATION				MRC-MW46A	MRC-MW09A	MRC-MW10A	MRC-MW11A	MRC-MW11C	MRC-MW12A	MRC-MW12B
SAMPLE ID				MRC-MW46A-060310	MRC-MW09A-061710	MRC-MW10A-062510	MRC-MW11A-062310	MRC-MW11C-061710	MRC-MW12A-061610	MRC-MW12B-061610
SAMPLE DATE				20100603	20100617	20100625	20100623	20100617	20100616	20100616
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.31 U	0.22 U	12 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.4 U	0.28 U	16 U	2.5 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	0.42 J	**9.8**	0.15 U	**22 J**	**4.6 J**
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.91 J	**57**	0.19 U	**280**	**32**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	0.24 U	0.17 U	9.4 U	1.5 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	0.21 U	0.15 U	8.3 UJ	1.4 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.31 U	0.22 U	12 U	2 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.2 U	0.14 U	7.8 U	1.3 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
ACETONE	550	22000	NC	7.5	5.1 B	1.1 U	3.2 B	4 B	61 U	10 U
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.21 U	0.15 U	8.3 U	1.4 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.23 U	0.16 U	8.9 U	1.5 U
CHLOROMETHANE	19	190	NC	0.3 U	0.32 J	0.3 U	0.43 U	0.3 U	17 U	2.7 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.17 U	0.6 J	7.7	0.17 U	**120**	30
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	0.24 U	0.17 U	9.4 U	1.5 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.47 U	0.33 U	57 B	7.6 B
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	5.6 UR	3.9 UR	220 UR	35 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.41 U	0.29 U	16 U	2.6 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	0.27 U	0.19 U	11 U	1.7 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	0.17 U	**12**	0.17 U	**1600**	**300**
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	**2.1**	0.22 U	12 U	2 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	0.49 U	**0.96 J**	**5**	0.49 U	**160**	**43**
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.73 B	0.37 J	0.22 B	1.1 J	0.067 J	0.26 B	0.19 B
ARSENIC	10	0.045	10	**1.8 J**	**1.7 J**	**3.8 J**	**2.5 J**	**1.7 J**	**0.69 J**	**0.66 J**
BARIUM	2000	7300	2000	131	41.8	81.8	41.7	54.4	74	77.6
BERYLLIUM	4	73	4	0.53 J	0.0059 U	0.23 J	0.009 B	1.2	0.32 J	0.12 B
CADMIUM	5	18	5	0.17 B	0.025 U	0.025 UL	0.025 U	0.1 B	0.03 B	0.037 B
CHROMIUM	100	NC	100	0.37 B	0.6 J	1.2 J	0.61 B	7.2	1.9 J	0.93 J
COBALT	NC	11	NC	**19.8**	1.1	**63.8**	**58.3**	**25.9**	**34.7**	**19.2**
COPPER	1300	1500	1300	4 K	1.2 B	1.7 B	0.92 B	16.7	3.1 B	2.4 B
IRON	300	26000	NC	**1020**	**1440**	**71000**	**96800**	**6400**	**36900**	**7550**
LEAD	15	NC	15	0.42 J	0.019 UL	0.77 J	0.47 J	6.5	1.5 L	0.61 J
MANGANESE	50	880	NC	**159**	**361**	**6530**	**7410**	**111**	**1880**	**1730**
MOLYBDENUM	NC	180	NC	1.2 J	0.54 J	0.27 U	0.37 B	0.27 U	0.27 J	0.27 U
NICKEL	73	730	NC	19.8	2.3 K	18.8	11.7	34.6	66.6	44.5
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.13 U	0.36 J	0.33 J	0.29 B	0.62 J	0.2 B	0.13 U
SILVER	100	180	NC	0.015 U	0.015 UL	0.015 U	0.015 B	0.015 UL	0.019 B	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.14 B	0.2 B	0.18 B	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.3 B	**5.6 J**	1.1 J	1.5 J	**9.7 J**	2.7 B	0.58 B
ZINC	5000	11000	NC	794	22 B	118	177	83.8	107	72.3
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	0.11 U	NA	NA	NA	0.11 U	0.11 U

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland
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BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G
LOCATION				MRC-MW12C	MRC-MW13A	MRC-MW14A	MRC-MW14B	MRC-MW14C	MRC-MW15A	MRC-MW16A
SAMPLE ID				MRC-MW12C-061510	MRC-MW13A-062510	MRC-MW14A-062210	MRC-MW14B-062210	MRC-MW14C-061510	MRC-MW15A-062210	MRC-MW16A-062310
SAMPLE DATE				20100615	20100625	20100622	20100622	20100615	20100622	20100623
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	22 U	0.22 U	0.44 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	28 U	0.28 U	0.56 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	2.3	**49 J**	0.15 U	**16**	**7.1**
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	2.9	**780**	0.19 U	**55**	**23**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	17 U	0.17 U	0.34 U	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	15 U	0.15 U	0.3 U	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	22 U	0.22 U	**0.59 J**	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	14 U	0.14 U	0.28 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
ACETONE	550	22000	NC	6 B	1.3 B	3.7 B	110 U	6 B	5.1 B	6.5 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	15 U	0.15 U	0.3 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	16 U	0.16 U	0.32 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.49 J	30 U	0.3 U	0.6 U	0.3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.28 J	22	49 J	0.17 U	0.34 U	2.3
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	17 U	0.17 U	0.34 U	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	**40 J**	0.33 U	0.66 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	390 UR	3.9 UR	7.8 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	29 U	0.29 U	0.58 U	**3.7**
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	5.1	19 U	0.19 U	0.38 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	**10**	**2800**	0.17 U	0.34 U	**5.5**
VINYL CHLORIDE	2	0.016	2	0.22 U	**0.22 J**	**0.53 J**	22 U	0.22 U	**7.2**	**1.1**
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	0.49 U	**6.1**	**360**	0.49 U	**17**	**4.7**
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	0.27 J	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	33	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.32 B	0.34 J	0.069 B	0.58 B	0.34 B	0.58 B	**6.1**
ARSENIC	10	0.045	10	**0.75 J**	**2.1 J**	**1.5 J**	**1.1 J**	**0.71 J**	**13.8**	**0.67 J**
BARIUM	2000	7300	2000	24.2	74.6	62.1	66.5	63.4	124	67.8
BERYLLIUM	4	73	4	0.45 J	0.076 B	0.048 B	0.41 J	0.25 B	1	0.41 J
CADMIUM	5	18	5	0.031 B	0.025 U	0.025 UL	0.18 B	0.04 B	0.13 B	0.25 B
CHROMIUM	100	NC	100	5.8	0.96 J	0.38 B	7.2	6.8	8.2	1.7 B
COBALT	NC	11	NC	6.7	2.2	**54.5**	**43**	7.6	**42**	**27.9**
COPPER	1300	1500	1300	15.9	1.7 B	0.2 B	10	8.2	8.8	5.1 J
IRON	300	26000	NC	**4890**	**1720**	**47100**	**49400**	**19900**	**44500**	**703**
LEAD	15	NC	15	2 L	0.94 J	0.081 B	4.8	1.9	5.9	3.3
MANGANESE	50	880	NC	**53.4**	**658**	**2800**	**1720**	**1060**	**4950**	**635**
MOLYBDENUM	NC	180	NC	0.46 B	0.82 B	0.27 U	0.56 J	0.58 B	0.72 J	1 B
NICKEL	73	730	NC	12	2.8	42.5	72.6	15.3	16.7	38.5
POTASSIUM	NC	NC	NC	NA	NA	NA	3910	NA	NA	NA
SELENIUM	50	180	50	0.23 J	0.21 J	0.13 U	0.19 J	0.3 J	4.1 J	1.2 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.31 J	0.02 B	0.04 B	0.028 B
THALLIUM	2	NC	2	0.21 B	0.13 U	0.13 U	0.13 U	0.2 B	0.16 B	0.13 U
VANADIUM	3.7	180	NC	**8.1 J**	2.9 J	0.43 U	**10.6 J**	**9.8 J**	**13.4 J**	**5.7 J**
ZINC	5000	11000	NC	30.1 K	151	22.5 B	88.2	30.4 K	54.4	112
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	11 B	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	0.3	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	104	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	5	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	0.023 U	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	0.12 B	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	69.4	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	320	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	0.11 U	NA	0.11 U	0.11 U	0.11 U	**0.71 J**	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK H
LOCATION				MRC-MW54A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A	MRC-MW71B	MRC-MW08A
SAMPLE ID				MRC-MW54A-052510	MRC-MW63A-062510	MRC-MW70A-062210	MRC-MW70B-062210	MRC-MW71A-062310	MRC-MW71B-062310	MRC-MW08A-060110
SAMPLE DATE				20100525	20100625	20100622	20100622	20100623	20100623	20100601
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.22 U	1.3	1.1 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.28 U	0.56 J	1.4 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.45 J	0.81 J	1.5	**2.9**	**3.5 J**	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.53 J	**11**	**40**	**34**	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.85 UJ	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 UJ	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.1 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.7 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
ACETONE	550	22000	NC	6.3 B	1.1 U	6.4 B	5.8 B	4.9 B	5.5 U	6.1 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.8 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.3 U	0.43 J	0.3 U	1.5 U	0.3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.35 J	1.1	23	0.17 U	8.2	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.85 U	0.17 UJ
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	4.2 B	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	20 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.4 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	0.52 J	0.19 U	0.95 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.47 J	0.73 J	**34**	0.55 J	**58**	0.17 U
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	**0.77 J**	**0.4 J**	1.1 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	NA	**1.5**	**17**	0.49 U	0.49 U	0.49 U
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.027 U	0.08 B	0.52 B	0.59 B	0.48 B	0.73 J	0.062 B
ARSENIC	10	0.045	10	0.16 U	**1.3 J**	**8.2**	**12.4**	**0.98 J**	**0.33 J**	**1.2 J**
BARIUM	2000	7300	2000	15.6	120	145	680	54	92.6	191
BERYLLIUM	4	73	4	0.32 B	0.063 B	3	**4.5**	**8.7**	0.026 J	0.53 B
CADMIUM	5	18	5	0.025 U	0.041 J	0.57 J	0.082 B	2.1	0.082 B	0.091 B
CHROMIUM	100	NC	100	0.21 B	0.66 J	25.2	**233**	2.3	0.88 B	1.3 J
COBALT	NC	11	NC	0.18 J	**60.6**	**52.6**	**27.6**	**54.6**	**72.5**	**127**
COPPER	1300	1500	1300	0.12 B	0.31 B	21.4	28.8	3.1 B	0.84 B	2.1 B
IRON	300	26000	NC	243	**17000**	**86800**	**81300**	**2590**	**29100**	**63200**
LEAD	15	NC	15	0.085 B	0.057 B	**21.2**	**42.8**	1.9	0.52 J	0.92 J
MANGANESE	50	880	NC	24.2	**578**	**3010**	**848**	**1370**	**3400**	**39500**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.85 J	1.8 J	0.27 U	0.81 B	0.27 U
NICKEL	73	730	NC	1.3 J	**77.6**	59	64.5	**115**	**82.9**	**261**
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.13 UL	0.2 J	4 J	8.9	0.55 B	0.13 B	0.19 B
SILVER	100	180	NC	0.015 U	0.015 U	0.28 J	0.046 B	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.51 B	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	0.43 U	0.43 U	**45.9**	**279**	**4.2 J**	3.2 J	1.5 J
ZINC	5000	11000	NC	3.8 B	37.8	690	1760	310	247	162
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK H	BLOCK H
LOCATION				MRC-MW52A	MRC-MW53A
SAMPLE ID				MRC-MW52A-052410	MRC-MW53A-052410
SAMPLE DATE				20100524	20100524
SAMPLE CODE				NORMAL	NORMAL
MATRIX				GW	GW
SAMPLE TYPE				NORMAL	NORMAL
VOLATILES (UG/L)					
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	2.2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	2.8 U
1,1-DICHLOROETHANE	90	2.4	NC	1.9	1.5 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	**8.1 J**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	1.7 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	1.5 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	1.3 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	2.2 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	1.4 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	1.3 U
ACETONE	550	22000	NC	18 B	11 U
BENZENE	5	0.41	5	0.13 U	1.3 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	1.3 U
CHLOROBENZENE	100	91	100	0.15 U	1.5 U
CHLOROFORM	80	0.19	80	**0.23 J**	**2.3 J**
CHLOROMETHANE	19	190	NC	0.3 U	3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	6.6 J
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 UJ	1.7 UJ
METHYLENE CHLORIDE	5	4.8	5	**6.4 J**	3.3 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	39 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	2.9 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	1.9 U
TRICHLOROETHENE	5	2	5	0.17 U	**270**
VINYL CHLORIDE	2	0.016	2	0.22 U	2.2 U
SEMIVOLATILES (UG/L)					
1,4-DIOXANE	NC	0.67	NC	NA	**12**
VOLATILE GASES (UG/L)					
ETHANE	NC	NC	NC	NA	NA
METHANE	NC	NC	NC	NA	NA
METALS (UG/L)					
ANTIMONY	6	15	6	0.33 B	0.11 B
ARSENIC	10	0.045	10	**1.3 J**	0.16 U
BARIUM	2000	7300	2000	947	97.2
BERYLLIUM	4	73	4	**75.7**	**7.7**
CADMIUM	5	18	5	3.5	0.21 J
CHROMIUM	100	NC	100	1.1 B	2.3 B
COBALT	NC	11	NC	**2470**	**51.8**
COPPER	1300	1500	1300	130	11.8
IRON	300	26000	NC	**16000**	45.8 B
LEAD	15	NC	15	1.4	0.18 B
MANGANESE	50	880	NC	**33400**	**226**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U
NICKEL	73	730	NC	**1720**	**94.5**
POTASSIUM	NC	NC	NC	NA	NA
SELENIUM	50	180	50	1.8 J	0.14 B
SILVER	100	180	NC	0.26 J	0.015 U
THALLIUM	2	NC	2	1.2	0.13 U
VANADIUM	3.7	180	NC	0.43 U	0.43 U
ZINC	5000	11000	NC	3200	176
MISCELLANEOUS PARAMETERS (MG/L)					
ALKALINITY	NC	NC	NC	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA
CHLORIDE	NC	NC	NC	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA
NITRATE-N	NC	NC	NC	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA
SULFATE	NC	NC	NC	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)					
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA

Table 4-23

Detected Concentrations Table for Groundwater
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010.
3 - 2009 Edition of the Drinking Water Standards and Health Advisories (USEPA, October 2009).
4 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for tap water are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.

Definitions: NC = no criterion available; MCL = Maximum Contaminant Level; SDWA = Safe Drinking Water Act
Qualifiers: B = present in blank; J = estimated; K = biased high; L = biased low; U = non-detected; R = rejected

A shaded chemical name indicates that at least one sample concentration exceeds at least one criterion.

Table 4-24

Occurrence and Distribution of Chemicals - Groundwater - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Groundwater[4]	# Detects Greater than MDE Cleanup Standards - Groundwater[1]	USEPA RBC - Tap Water[5]	# Detects Greater than USEPA RBC - Tap Water[1]	# Detects Greater than 10X USEPA RBC - Tap Water[1]	USEPA MCL[6]	# Detects Greater than USEPA MCL [1]
Volatile Organics (ug/L)																	
1,1-DICHLOROETHANE	3/17	0.25	J	0.82	J	MRC-MW34B-061710	0.15	110	0.55	6.4	90	0	2.4	0	0	NC	NC
1,1-DICHLOROETHENE	2/17	0.33	J	0.48	J	MRC-MW30A-052810	0.19	140	0.41	8.0	7	0	340	0	0	7	0
1,2,3-TRICHLOROBENZENE	2/17	16		2000		MRC-MW43A-060210	0.17	120	1008	123	NC	NC	29	1	1	NC	NC
1,2,4-TRICHLOROBENZENE	3/17	0.47	J	11000		MRC-MW43A-060210	0.15	110	3697	657	70	2	2.3	2	2	70	2
1,2-DICHLOROBENZENE	2/17	4.3		450	J	MRC-MW43A-060210	0.13	93	227	30.2	600	0	370	1	0	600	0
1,3-DICHLOROBENZENE	2/17	0.45	J	22		MRC-MW36A-060310	0.14	100	11.2	7.1	1.8	1	NC	NC	NC	NC	NC
1,4-DICHLOROBENZENE	3/17	1.3	J	570		MRC-MW43A-060210	0.13	93	199	38.5	75	1	0.43	3	2	75	1
ACETONE	6/17	5.7	J	13		MRC-MW72A-060310	3.6	790	9.1	49.4	550	0	22000	0	0	NC	NC
BENZENE	1/17	0.91	J	0.91	J	MRC-MW36A-060310	0.13	93	0.91	5.4	5	0	0.41	1	0	5	0
CARBON TETRACHLORIDE	1/17	13		13		MRC-MW34B-061710	0.13	93	13.0	6.1	5	1	0.44	1	1	5	1
CHLOROBENZENE	2/17	1.3	J	37		MRC-MW36A-060310	0.15	110	19.2	8.5	100	0	91	0	0	100	0
CHLOROFORM	3/17	0.19	J	3.2		MRC-MW34B-061710	0.16	110	1.4	6.7	80	0	0.19	2	1	80	0
CHLOROMETHANE	4/17	0.3	J	1.3		MRC-MW73A-060410	0.3	210	0.59	12.3	19	0	190	0	0	NC	NC
CIS-1,2-DICHLOROETHENE	8/17	0.36	J	360	J	MRC-MW74B-060710	0.17	85	51.2	27.5	70	1	73	1	0	70	1
METHYL TERT-BUTYL ETHER	3/17	0.21	J	21		MRC-MW34B-061710	0.17	120	7.7	8.3	20	1	12	1	0	NC	NC
TERTIARY-BUTYL ALCOHOL	1/1	31	L	31	L	MRC-MW34B-061710			31.0	31.0	NC	NC	NC	NC	NC	NC	NC
TRANS-1,2-DICHLOROETHENE	2/17	1.7		1.9		MRC-MW34B-061710	0.19	140	1.8	8.2	100	0	110	0	0	100	0
TRICHLOROETHENE	12/17	0.55	J	19000		MRC-MW74B-060710	0.17	85	1959	1385	5	7	2	9	6	5	7
VINYL CHLORIDE	1/17	3.8		3.8		MRC-MW34B-061710	0.22	160	3.8	9.4	2	1	0.016	1	1	2	1
Semivolatile Organics (ug/L)																	
1,4-DIOXANE	1/3	4.6		4.6		MRC-MW44A-052810	0.49	0.49	4.6	1.7	NC	NC	0.67	1	0	NC	NC
Volatile Gases (ug/L)																	
ETHANE	2/4	0.36	J	0.55		MRC-MW34B-061710	0.26	0.26	0.46	0.29	NC	NC	NC	NC	NC	NC	NC
METHANE	3/4	21		150		MRC-MW34B-061710	0.1	0.1	69.0	51.8	NC	NC	NC	NC	NC	NC	NC
Inorganics (ug/L)																	
ARSENIC	6/17	0.16	J	1.8	J	MRC-MW36A-060310	0.16	0.63	1.1	0.47	10	0	0.045	6	5	10	0
BARIUM	17/17	14.8		148		MRC-MW34B-061710			56.6	56.6	2000	0	7300	0	0	2000	0
BERYLLIUM	7/17	0.36	J	9.4		MRC-MW34B-061710	0.0059	1.9	3.2	1.4	4	2	73	0	0	4	2
CHROMIUM	12/17	0.43	J	12		MRC-MW36A-060310	0.11	0.69	2.4	1.7	100	0	NC	NC	NC	100	0
COBALT	17/17	0.89	J	124		MRC-MW34B-061710			22.1	22.1	NC	NC	11	8	1	NC	NC
COPPER	3/17	10.6		36.8		MRC-MW34B-061710	0.2	5.1	24.2	5.1	1300	0	1500	0	0	1300	0
IRON	15/17	43.5	J	33200		MRC-MW44A-052810	6	142	4686	4139	300	14	26000	1	0	NC	NC
LEAD	5/17	0.47	J	3.5		MRC-MW36A-060310	0.019	0.42	1.2	0.37	15	0	NC	NC	NC	15	0
MANGANESE	16/17	3.5		3370		MRC-MW74A-060410	3.6	3.6	379	357	50	9	880	1	0	NC	NC
MOLYBDENUM	2/17	0.41	J	0.46	J	MRC-MW36A-060310	0.27	0.75	0.44	0.19	NC	NC	180	0	0	NC	NC
NICKEL	14/17	4.1		162		MRC-MW34B-061710	0.44	1.4	33.4	27.6	73	2	730	0	0	NC	NC
POTASSIUM	4/4	2260		9010		MRC-MW34A-061510			5643	5643	NC	NC	NC	NC	NC	NC	NC
SELENIUM	7/17	0.44	J	1.7	J	MRC-MW34A-061510	0.13	0.26	0.99	0.45	50	0	180	0	0	50	0
VANADIUM	11/17	0.57	J	22.2		MRC-MW36A-060310	0.43	1.3	5.8	3.9	3.7	5	180	0	0	NC	NC
ZINC	10/17	53.8		361		MRC-MW74C-060710	2.9	69.8	157	97.7	5000	0	11000	0	0	NC	NC
Miscellaneous Parameters (ug/L)																	
HEXAVALENT CHROMIUM	1/3	0.96	J	0.96	J	MRC-MW34A-061510	0.11	0.11	0.96	0.36	100	0	0.043	1	1	100	0
Miscellaneous Parameters (mg/L)																	
ALKALINITY	3/4	7.4		27		MRC-MW34A-061510	5.1	5.1	16.8	13.2	NC	NC	NC	NC	NC	NC	NC
CHLORIDE	4/4	19.8		189		MRC-MW34B-061710			84.4	84.4	NC	NC	NC	NC	NC	NC	NC
DISSOLVED ORGANIC CARBON	4/4	0.6	J	3		MRC-MW36A-060310			1.7	1.7	NC	NC	NC	NC	NC	NC	NC
NITRATE-N	4/4	0.1		1.1		MRC-MW34A-061510			0.38	0.38	NC	NC	NC	NC	NC	NC	NC
ORTHOPHOSPHATE-P	4/4	0.1	J	1.2	J	MRC-MW36A-060310			0.50	0.50	NC	NC	NC	NC	NC	NC	NC
SULFATE	4/4	4.8		18.9		MRC-MW36A-060310			13.0	13.0	NC	NC	NC	NC	NC	NC	NC
TOTAL DISSOLVED SOLIDS	4/4	100		360		MRC-MW34B-061710			205	205	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
6 - 2009 Edition of the Drinking Water Standards and Health Advisories (USEPA, October 2009).

Definitions:
J = Estimated value
L = Biased low
MCL = Maximum Contaminant Level
NC = No criteria

Table 4-25

Occurrence and Distribution of Chemicals - Groundwater - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Groundwater[4]	# Detects Greater than MDE Cleanup Standards - Groundwater[1]	USEPA RBC - Tap Water[5]	# Detects Greater than USEPA RBC - Tap Water[1]	# Detects Greater than 10X USEPA RBC - Tap Water[1]	USEPA MCL[6]	# Detects Greater than USEPA MCL [1]
Volatile Organics (ug/L)																	
1,1,1-TRICHLOROETHANE	1/19	1.3		1.3		MRC-MW71A-062310	0.22	22	1.3	1.1	200	0	9100	0	0	200	0
1,1,2-TRICHLOROTRIFLUOROETHANI	1/19	0.56	J	0.56	J	MRC-MW71A-062310	0.28	28	0.56	1.4	NC	NC	59000	0	0	NC	NC
1,1-DICHLOROETHANE	13/19	0.42	J	49	J	MRC-MW14B-062210	0.15	0.15	9.3	6.4	90	0	2.4	8	1	NC	NC
1,1-DICHLOROETHENE	12/19	0.53	J	780		MRC-MW14B-062210	0.19	0.19	110	69.3	7	9	340	1	0	7	9
1,2-DICHLOROETHANE	1/19	0.59	J	0.59	J	MRC-MW15A-062210	0.22	22	0.59	1.1	5	0	0.15	1	0	5	0
CHLOROMETHANE	3/19	0.32	J	0.49	J	MRC-MW14A-062210	0.3	30	0.41	1.5	19	0	190	0	0	NC	NC
CIS-1,2-DICHLOROETHENE	12/19	0.28	J	120		MRC-MW12A-061610	0.17	0.34	22.0	14.0	70	1	73	1	0	70	1
METHYLENE CHLORIDE	1/19	40	J	40	J	MRC-MW14B-062210	0.33	57	40.0	4.1	5	1	4.8	1	0	5	1
TETRACHLOROETHENE	1/19	3.7		3.7		MRC-MW16A-062310	0.29	29	3.7	1.6	5	0	0.11	1	1	5	0
TRANS-1,2-DICHLOROETHENE	2/19	0.52	J	5.1		MRC-MW14A-062210	0.19	19	2.8	1.2	100	0	110	0	0	100	0
TRICHLOROETHENE	11/19	0.47	J	2800		MRC-MW14B-062210	0.17	0.34	438	254	5	8	2	8	5	5	8
VINYL CHLORIDE	7/19	0.22	J	7.2		MRC-MW15A-062210	0.22	22	1.8	1.7	2	2	0.016	7	7	2	2
Semivolatile Organics (ug/L)																	
1,4-DIOXANE	10/18	0.96	J	360		MRC-MW14B-062210	0.49	0.49	61.5	34.3	NC	NC	0.67	10	5	NC	NC
Volatile Gases (ug/L)																	
ETHANE	1/1	0.27	J	0.27	J	MRC-MW14B-062210			0.27	0.27	NC	NC	NC	NC	NC	NC	NC
METHANE	1/1	33		33		MRC-MW14B-062210			33.0	33.0	NC	NC	NC	NC	NC	NC	NC
Inorganics (ug/L)																	
ANTIMONY	6/19	0.067	J	6.1		MRC-MW16A-062310	0.027	0.59	1.5	0.57	6	1	15	0	0	6	1
ARSENIC	18/19	0.33	J	13.8		MRC-MW15A-062210	0.16	0.16	3.0	2.9	10	2	0.045	18	17	10	2
BARIUM	19/19	15.6		680		MRC-MW70B-062210			103	103	2000	0	7300	0	0	2000	0
BERYLLIUM	11/19	0.026	J	8.7		MRC-MW71A-062310	0.0059	0.32	1.8	1.1	4	2	73	0	0	4	2
CADMIUM	3/19	0.041	J	2.1		MRC-MW71A-062310	0.025	0.25	0.90	0.17	5	0	18	0	0	5	0
CHROMIUM	14/19	0.6	J	233		MRC-MW70B-062210	0.21	1.7	21.6	16.0	100	1	NC	NC	NC	100	1
COBALT	19/19	0.18	J	72.5		MRC-MW71B-062310			34.5	34.5	NC	NC	11	14	0	NC	NC
COPPER	8/19	5.1	J	28.8		MRC-MW70B-062210	0.12	3.1	14.4	6.5	1300	0	1500	0	0	1300	0
IRON	19/19	243		96800		MRC-MW11A-062310			31860	31860	300	18	26000	9	0	NC	NC
LEAD	15/19	0.47	J	42.8		MRC-MW70B-062210	0.019	0.085	6.3	5.0	15	2	NC	NC	NC	15	2
MANGANESE	19/19	24.2		7410		MRC-MW11A-062310			2059	2059	50	18	880	11	0	NC	NC
MOLYBDENUM	6/19	0.27	J	1.8	J	MRC-MW70B-062210	0.27	1	0.79	0.41	NC	NC	180	0	0	NC	NC
NICKEL	19/19	1.3	J	115		MRC-MW71A-062310			41.0	41.0	73	3	730	0	0	NC	NC
POTASSIUM	1/1	3910		3910		MRC-MW14B-062210			3910	3910	NC	NC	NC	NC	NC	NC	NC
SELENIUM	12/19	0.19	J	8.9		MRC-MW70B-062210	0.13	0.55	1.7	1.1	50	0	180	0	0	50	0
SILVER	2/19	0.28	J	0.31	J	MRC-MW14B-062210	0.015	0.046	0.30	0.04	100	0	180	0	0	NC	NC
VANADIUM	14/19	1.1	J	279		MRC-MW70B-062210	0.43	2.7	28.6	21.2	3.7	10	180	1	0	NC	NC
ZINC	16/19	30.1	K	1760		MRC-MW70B-062210	3.8	22.5	254	215	5000	0	11000	0	0	NC	NC
Miscellaneous Parameters (ug/L)																	
HEXAVALENT CHROMIUM	1/8	0.71	J	0.71	J	MRC-MW15A-062210	0.11	0.11	0.71	0.14	100	0	0.043	1	1	100	0
Miscellaneous Parameters (mg/L)																	
AMMONIA-N	1/1	0.3		0.3		MRC-MW14B-062210			0.30	0.30	NC	NC	NC	NC	NC	NC	NC
CHLORIDE	1/1	104		104		MRC-MW14B-062210			104	104	NC	NC	NC	NC	NC	NC	NC
DISSOLVED ORGANIC CARBON	1/1	5		5		MRC-MW14B-062210			5.0	5.0	NC	NC	NC	NC	NC	NC	NC
SULFATE	1/1	69.4		69.4		MRC-MW14B-062210			69.4	69.4	NC	NC	NC	NC	NC	NC	NC
TOTAL DISSOLVED SOLIDS	1/1	320		320		MRC-MW14B-062210			320	320	NC	NC	NC	NC	NC	NC	NC

Notes:
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Section 5
Uncertainty Analysis

The uncertainty analysis component of this human health risk assessment (HHRA) summarizes uncertainties inherent in the risk assessment and includes a discussion of how they may affect the quantitative risk estimates and risk analysis conclusions. The baseline HHRA for the study area was done in accordance with current U.S Environmental Protection Agency (USEPA) guidance. However, varying degrees of uncertainty are associated with any baseline HHRA. A brief discussion of uncertainty issues that must generally be considered in an HHRA is provided in the following narrative.

Uncertainty in selecting chemicals of potential concern (COPC) is related to the status of the available databases, the grouping of samples, the numbers, types, and distributions of samples, data quality, and the procedures used to include or exclude constituents as COPC. Uncertainty associated with the exposure assessment can stem from the values used as input variables for a given intake route or scenario, the assumptions made to determine exposure-point concentrations (EPCs), and the predictions made regarding future land uses and population characteristics. Uncertainty in the toxicity assessment stems from the quality of the existing toxicity data needed to support dose-response relationships and the weight of evidence used to determine the carcinogenicity of COPC. Uncertainty in risk characterization is associated with receptor exposure to multiple chemicals and the cumulative uncertainty arising from combining conservative assumptions made in earlier steps of the risk assessment.

Whereas various sources of random uncertainty and bias exist, the magnitude of bias and uncertainty and the direction of bias are influenced by the assumptions made throughout the risk assessment, including selection of COPC and of values for dose-response relationships. Throughout the risk assessment, assumptions that consider safety factors must be made to overestimate the final calculated risks. Risk assessments generally carry two types of uncertainty: *measurement* and *informational* uncertainty.

Measurement uncertainty refers to the usual variance that accompanies scientific measurements. For example, this type of uncertainty is associated with the analytical data collected for each site. The risk assessment reflects the accumulated variances of the individual values used.

Informational uncertainty stems from inadequate availability of information needed to complete the toxicity and exposure assessments. This gap is often significant, such as the absence of information on the effects of human exposure to low doses of a chemical, the biological mechanism of chemical action, or the behavior of a chemical in soil. After the risk assessment is complete, the results must be reviewed and evaluated to identify the type and magnitude of uncertainty involved. Relying on risk assessment results without considering the uncertainties, limitations, and assumptions inherent in the process can be misleading. For example, to account for uncertainties in developing exposure assumptions, conservative estimates must be made to ensure that the particular assumptions protect sensitive subpopulations or maximally exposed individuals.

If a number of conservative assumptions are combined in an exposure model, the resulting calculations can propagate the uncertainties associated with those assumptions, thereby producing much larger uncertainty in the results. This uncertainty is biased toward over predicting both carcinogenic and noncarcinogenic risks. Thus, both the results of the risk assessment and the uncertainties associated with them must be considered when making risk management decisions.

This interpretation of uncertainty is especially relevant when the risks exceed the point of departure for defining regulatorily “acceptable” risk. For example, when risks calculated using a high degree of uncertainty are less than an “acceptable” risk level (i.e., 10^{-6}), the interpretation of “no significant risk” is typically straightforward. However, when risks calculated with a high degree of uncertainty exceed a regulatorily acceptable risk level (i.e., 10^{-4}) reaching a conclusion can be difficult unless uncertainty is considered. The HHRA was prepared using the November 2010 regional screening-levels (RSLs). However, the RSLs are “evergreen” screening values and subject to change as new toxicity information becomes available and is evaluated byUSEPA. Consequently, the COPC could change if the RSLs change.

5.1 UNCERTAINTY IN COPC SELECTION

The most significant issues related to uncertainty in COPC selection at the subject tax blocks are the usability of existing databases (only validated data were used in the risk assessment), the COPC screening levels used, the selection of COPC using USEPA generic soil screening-levels (SSLs) for transfers from soil to air, and the absence of screening levels for a few chemicals detected in site environmental media. A brief discussion of each of these issues is provided in the remainder of this section.

Usability and completeness of existing databases—As discussed in Section 3, data from samples collected in previous field investigations (2003–2009), as well as data collected during field investigations in 2010, were used to assess risks to potential human receptors from exposure to contaminated environmental media. These data were validated according to USEPA data-validation guidelines. Only fixed-base analytical results (i.e., results from a fixed-base laboratory, as opposed to field analytical results) from the field investigations for the lists of target analytes were used in the quantitative risk evaluation. Data regarded as rejected (i.e., qualified as "R" during data validation) were not used in the quantitative risk assessment. Elimination of data qualified as "R" may increase uncertainty in the risk assessment.

Naphthalene results were analyzed and reported in both the volatile organic compound (VOC) and polycyclic aromatic-hydrocarbon (PAH) fractions. The extraction and analytical methods used in either VOC or PAH methods may provide more accurate naphthalene results. However, both the VOC and PAH naphthalene results were included in selecting COPC. This is particularly important because not all samples were analyzed for naphthalene in both fractions. For subsurface soil, naphthalene was selected as a COPC in both the VOC and PAH fractions. For EPCs in the quantitative risk assessment, the maximum EPC of naphthalene from either the VOC or the PAH fractions was used for each tax block. In subsurface soil, the maximum EPC for naphthalene is from the VOC fraction for Blocks D, F, and G, and from the PAH fraction for Blocks E and H. Using the higher concentration ensures that risks due to naphthalene are not underestimated.

Several sampling locations were resampled for benzo(a)pyrene and related chemicals to obtain lower detection limits (see table below). To avoid including elevated detection limits in the risk

calculations, resampled results were used instead of the original results if the original results were all non-detects. However, to be conservative, no positive detections were removed from the data sets. Therefore, if positive results were included in the original sampling, those results were included in the risk calculations along with the resampling results. This may overestimate risks from BaPEq at locations where resampling occurred.

Locations of benzo(a)pyrene and related chemicals resampling			
Block D	**Block F**	**Block G**	**Block H**
SB-57	SB-56	SB-81	SB-282
SB-58	SB-93	SB-82	
SB-60	SB-94	SB-83	
SB-61	SB-95	SB-86	
SB-62	SB-96	SB-91	
SB-63		SB-92	
SB-65		SB-254	
SB-66		SB-257	
SB-240			
SB-243			

Soil samples collected from 0–10 feet below ground surface (bgs) were included in the quantitative risk evaluation. Some uncertainty is associated with some samples included in the subsurface soil data because groundwater is relatively shallow at these tax blocks (i.e., within 10 feet of ground surface). Therefore, some of the samples included in the subsurface data set for the quantitative risk assessment may be saturated. The following table presents average and maximum groundwater depths for each tax block:

Sampling date	Average depth to groundwater (feet)				
	Block D	Block E	Block F	Block G	Block H
6/5/2005	1.87	2.92	4.00	2.42	0*
10/13/2005	1.67	3.12	4.90	0.72	0*
12/6/2005	**2.98**	3.11	6.07	1.54	**5.37**
10/30/2008	2.95	**4.93**	5.53	2.30	4.34
7/22/2009	1.58	4.90	4.13	3.00	4.24
6/30/2010	2.93	4.82	**7.20**	**3.78**	3.60
Average depth selected:	3	5	7	4	5
Sampling date	**Maximum depth to groundwater (feet)**				
6/5/2005	5.21	7.11	4.6	7.65	0
10/13/2005	5.55	7.3	9.75	3.45	0
12/6/2005	5.56	7.6	**12.9**	4.7	**10.61**
10/30/2008	**6.6**	**8.8**	7.55	4.8	6.6
7/22/2009	3.17	7.7	6.89	5.8	6.21
6/30/2010	6.26	8.25	12.89	**8.72**	6.19
Maximum depth:	7	9	13	9	11

The deepest average or maximum depth for each block is in **bold**

*Data from only one well were available

The average depths to groundwater are less than 10 feet for all wells, and the maximum depths to groundwater for Blocks D, E, and G are less than 10 feet. However, all subsurface soil samples from 2–10 feet bgs were included in the quantitative risk evaluation, to be conservative.

Data for soil samples collected at depths greater than 10 feet bgs (i.e., deep subsurface soil) were excluded from the quantitative risk assessment because these samples are likely saturated; however, COPC were selected for informational purposes. Table 3-21 shows the results of the COPC selection for deep subsurface soil. The list of COPC is similar to those for surface soil and subsurface soil. COPC are the BaPEq and its constituents, Aroclor-1260, arsenic, cobalt, iron, manganese, vanadium, and hexavalent chromium.

Maximum concentrations of all of these chemicals except for iron and vanadium are greater in the shallower depths than in the deep subsurface soil, and the concentration of vanadium in deep subsurface soil is not significantly greater than that found in shallower soil depths. Only the maximum concentration of iron in deep subsurface soil is significantly greater (i.e., more than an

order of magnitude greater) than concentrations detected in the shallower intervals. Thus, excluding deep subsurface soil from the quantitative risk evaluation should not add much uncertainty.

Numerous chemicals in surface and subsurface soil have detection limits that exceed screening criteria. This adds uncertainty to the risk assessment because these constituents may be present in site media at concentrations below the detection limit (i.e., below the concentration that may be seen by the analytical technique) and above screening criteria. However, the effort was made to achieve detection limits below screening levels for notable risk drivers (such as benzo(a)pyrene and related chemicals). Other chemicals not detected in the tax blocks are assumed not to contribute significantly to overall risks.

COPC screening levels—Using risk-based screening values based on conservative land use scenarios (i.e., residential land use for soil), corresponding to incremental lifetime-cancer risks (ILCRs) of 10^{-6} and hazard indices (HIs) of 0.1, the risk analyst must ensure that all significant contributors to risk at a site are evaluated. Eliminating chemicals present at concentrations that correspond to ILCRs less than 10^{-6} and HIs less than 0.1 should not affect the risk assessment's final conclusions, because those chemicals are not expected to pose potential health concerns at the concentrations detected.

Background soil database—Comprehensive site-specific databases on background soil are not available for the subject tax blocks. The lack of site-specific background levels for various chemicals may overestimate site-related risks for the tax blocks, since no chemical was eliminated as a COPC based on a background screen (i.e., a comparison of site concentrations to site-specific background concentrations). The lack of such data may affect the selection of remedial goals for inorganics typically detected at background concentrations above common risk benchmarks (e.g., arsenic). Arsenic was noted as a risk driver in soil for several receptors and in several data sets. Appendix C presents Maryland background data for arsenic.

Arsenic, cobalt, and hexavalent chromium were noted in Section 4 as risk drivers for direct-contact risk posed to several receptors and for several tax blocks. Concentrations of arsenic and cobalt and predicted concentrations of hexavalent chromium (i.e., concentrations calculated by assuming 5% of total chromium) in surface and subsurface soil produced risk estimates that were

less than the 1×10^{-5} cancer risk level for most tax block data sets. Exceptions are arsenic and cobalt for Block G surface soil and hexavalent chromium for Block F surface soil. Arsenic, cobalt, and chromium are metals occurring naturally in soil.

Anticipated typical concentrations (ATCs) are available from the State of Maryland for arsenic and total chromium (State of Maryland, 2008). ATCs for arsenic are 3.6 mg/kg, 4.9 mg/kg, and 11 mg/kg for Eastern, Central, and Western Maryland, respectively. EPCs (i.e., the 95% upper confidence-limits [UCLs]) calculated for arsenic do not exceed the central Maryland ATC in any data set except for Block G surface soil. No 95% UCLs for arsenic exceed the Western Maryland ATC. ATCs for total chromium are 28 mg/kg, 30 mg/kg, and 42 mg/kg for Eastern, Central, and Western Maryland, respectively. The 95% UCLs calculated for total chromium (i.e., the calculated hexavalent chromium 95% UCL divided by 0.05) are all less than the Western Maryland ATC except for the Block F surface soil data set. All other data sets are likewise less than the Central Maryland ATC, except for Block H subsurface soil, which slightly exceeds the Central Maryland ATC with a 95% total chromium UCL of 36 mg/kg. Given that arsenic and total chromium concentrations in the tax blocks are, in most cases, similar to background values and are not significant risk drivers, most metals concentrations probably represent background conditions.

The inorganics arsenic, cobalt, iron, and hexavalent chromium were retained as chemicals of concern (COC) for migration to groundwater, based on the analysis in Section 4.6. As noted earlier, not all of the subject tax bocks had frequent detections of hexavalent chromium. Hexavalent chromium was conservatively included as a migration-to-groundwater COC based on the limited data available. As discussed above, most detections of arsenic and cobalt likely reflect background concentrations. Most concentrations of iron observed in the tax block soils also likely reflect background. The EPCs used for iron (95% UCL or maximum concentration) are within the range of ATCs (15,000 mg/kg, 26,000 mg/kg, and 39,000 mg/kg for Eastern, Central, and Western Maryland, respectively) for all surface and subsurface soil data sets in which iron was analyzed.

Contaminants without established direct-contact screening levels—Risk-based screening levels are currently not available for some constituents detected at the tax blocks. Appropriate surrogates for some of these chemicals, based on similar chemical structures, were selected if available. In the COPC screening, acenaphthene was used as a surrogate for acenaphthylene and pyrene was

selected as a surrogate for benzo(g,h,i)perylene and phenanthrene. Applying the toxicity values of one compound to another increases uncertainty in the risk assessment, both with regard to COPC selection and the calculated risks. The direction of the uncertainty is unknown.

Appropriate screening levels or surrogates were not available for several organic chemicals detected in tax block soils. The list of chemicals lacking COPC-selection criteria includes 1,2,3-trimethylbenzene, n-butylbenzene, tert-butyl alcohol, di-n-octyl phthalate, dimethyl phthalate, 4-isopropyltoluene, and sec-butylbenzene. In most cases, these chemicals were detected at concentrations and detection frequencies significantly less than those reported for the primary site contaminants. For all chemicals except 1,2,3-trimethylbenzene and tert-butyl alcohol, the frequency of detection was less than 5% across the tax blocks. Given that risk-based screening levels are available for most of the primary contaminants (in terms of concentration and frequency of detection), the lack of risk-based screening levels for some contaminants should not affect risk management decisions for the tax block soils.

Many constituents have no USEPA SSLs for the soil to air migration pathway. This uncertainty is probably small, because for most chemicals potential risks associated with exposures via inhalation are typically orders of magnitude lower than those associated with exposures via incidental ingestion and dermal contact with soil. Comparing the screening criteria for direct-contact exposures with the screening criteria for migration from soil to air shows that, in most cases, the direct-contact screening criteria are at least an order of magnitude lower than the soil to air migration screening-criteria for the same compound. If regulatorily unacceptable risks result from inhalation exposures, then regulatorily unacceptable risks are usually also posed by exposures via the incidental-ingestion and dermal-contact exposure pathways.

Use of USEPA generic SSLs for transfers from soil to groundwater for COPC selection— Several chemicals were selected as COPC because their maximum concentrations exceed USEPA generic SSLs for soil to groundwater contaminant migration (dilution-attenuation factor [DAF] = 1.0). However, USEPA's *Soil Screening Guidance* (USEPA, 1996a) states that "the USEPA has selected a default DAF of 20 to account for contaminant dilution and attenuation during transport through the saturated zone to a compliance point (i.e., a receptor well). At most sites, this adjustment will more accurately reflect a contaminant's threat to groundwater resources than assuming a DAF of 1 (i.e., no dilution or attenuation)." The guidance further

states that “a DAF of 20 is protective for sources up to 0.5 acres in size” and “can be protective of larger sources as well." Consequently, the use of SSLs based on a DAF of 1 is very conservative. A more refined evaluation of the potential for chemical migration from soils is provided in Section 4.6 for surface and subsurface soils, respectively. COC were selected based on that analysis.

5.2 EXPOSURE ASSESSMENT UNCERTAINTY

Uncertainty in the exposure assessment arose because of the methods used to calculate EPCs, the determination of land use conditions, the selection of receptors and scenarios, and the selection of exposure parameters. Each of these is discussed below:

Land use—Current land use patterns for the subject tax blocks are well established, thereby limiting uncertainty associated with land use assumptions. Land use is currently limited to industrial/commercial, and the area will most likely remain commercial/industrial in the future. To be conservative, receptors were considered for all possible future land uses, and risks to potential and future construction workers, industrial workers, commercial receptors, recreational users, and on-site residents were evaluated.

Exposure-point concentrations—Uncertainty is associated with the use of the 95% UCL on the mean concentration as the EPC. As a result of using the 95% UCL, estimations of potential risk for the reasonable maximum exposure (RME) scenario are most likely overstated because it represents the upper limit that potential receptors would be exposed to over the entire exposure period. In some cases (because data sets contained less than five samples, because less than four positive detections occurred, or because the UCL was greater than the maximum concentration), the maximum concentration was used as the EPC. Using the maximum concentration tends to overestimate potential risks because receptors are assumed to be continuously exposed to the maximum concentration for the entire exposure period.

One-half the detection limit was used for non-detected results for the location-by-location risk estimates in Appendix E. Using one-half the detection limit for non-detects can result in elevated risk estimates if detection limits are elevated. An example of this is noted for Aroclor-1254 in Block E surface soil. The maximum non-detect result (i.e., the greatest reported sample detection limit [i.e., sample quantitation limit]) for Aroclor-1254 in Block E surface soil is 740,000 µg/kg,

which exceeds the actual maximum detected concentration of 36,000 µg/kg. As a result, some of the risk estimates and hazard indices for Aroclor-1254 in Block E surface soil exceed USEPA and or Maryland Department of the Environment (MDE) target levels at locations where Aroclor-1254 was non-detected (e.g., location SB-353). Therefore, risk results for Aroclor-1254 are likely overestimated in samples with elevated detection limits and results should be interpreted with caution.

Exposure routes and receptor identification—Determination of various receptor groups and exposure routes of potential concern is based on observed current and anticipated future land use at the site. Therefore, uncertainty associated with selecting exposure routes and potential receptors is minimal because they are considered well defined.

Exposure parameters—Each exposure factor selected for use in the risk assessment had some associated uncertainty. Exposure factors are generally based on surveys of physiological and lifestyle profiles across the United States. The attributes and activities studied in these surveys are generally broadly distributed. In most cases, to avoid underestimating exposure, USEPA guidelines on the RME receptor were used. These generally specify using the 95th-percentile value for most parameters. Therefore, the values selected for the RME receptor represent an upper bound of the observed or expected habits of most of the population. MDE exposure assumptions were used when available.

The value used for exposure frequency for recreational users (the MDE exposure frequency Level 1 of 250 days per year) corresponds with high-frequency use. MDE provides two other exposure frequencies: a Level 2 value of 182 days per year and a Level 3 value of 52 days per year. The Level 1 was chosen for this HHRA to be protective of all possible future land use scenarios.

Uncertainty can generally be assessed quantitatively for many of the assumptions made in determining factors with which to calculate exposures and intakes. Many of these parameters were determined from statistical analyses of human population characteristics. Often, the database used to derive a particular exposure parameter (e.g., body weight) is relatively large. Consequently, the values chosen for such variables in the RME scenario have low uncertainty.

Many of the exposure parameters used to calculate exposures and risks in this report were selected from a distribution of possible values, including MDE guidance (State of Maryland,

2008) and USEPA guidance (USEPA, 1989, 1991, 1993, 1997a, 2004). For the RME scenario, the value representing the 95th percentile was generally selected for each parameter to ensure that the assessment bounds most actual risks posed by a postulated exposure. This risk number is used in risk management decisions, but it does not indicate what an average and more-representative exposure might be, or what risk range might be expected for individuals in the exposed population.

5.3 UNCERTAINTY IN THE TOXICOLOGICAL EVALUATION

Uncertainties associated with the toxicity assessment (determination of RfDs and CSFs and use of available criteria) are below.

Derivation of toxicity criteria—Uncertainty associated with the toxicity assessment is related to the hazard assessment and dose-response evaluations for the COPC. The hazard assessment characterizes the nature and strength of causal evidence or the likelihood that a chemical that induces adverse effects in animals will do likewise in humans. A hazard assessment of carcinogenicity was evaluated as a weight-of-evidence determination using USEPA methods. Positive animal-cancer test data suggest that humans contain tissue(s) that may manifest a carcinogenic response; however, animal data cannot necessarily be used to predict the target tissue in humans. In the hazard assessment of noncarcinogenic effects, however, positive animal data often suggest the nature of the effects (i.e., the target tissues and type of effects) to be anticipated in humans.

Uncertainty in hazard assessment arises from the nature and quality of the animal and human data. Uncertainty is reduced when:

- similar effects are observed across species, strain, sex, and exposure route
- the magnitude of the response is clearly dose related
- pharmacokinetic data indicate a similar fate in humans and animals
- postulated mechanisms of toxicity are similar for humans and animals
- the COC are structurally similar to other chemicals for which toxicity is more completely characterized

Uncertainty in the dose-response evaluation includes determining a cancer-slope factor (CSF) for the carcinogenic assessment and deriving a reference dose (RfD) for the noncarcinogenic assessment. Uncertainty is introduced from interspecies (animal to human) extrapolation, which, in the absence of quantitative pharmacokinetic or mechanistic data, is usually based on consideration of interspecies differences in basal metabolic rate. Uncertainty also results from intraspecies variation. Most toxicity experiments are performed on animals similar in age and genotype to minimize intragroup biological variation.

In contrast, the human population of concern may reflect a great deal of heterogeneity, including unusual sensitivity or tolerance to the COPC. Even toxicity data from human occupational exposures reflect a bias, because only those individuals sufficiently healthy to regularly attend work (the "healthy worker effect") and those not unusually sensitive to the chemical are likely to be occupationally exposed. Finally, uncertainty arises from the quality of the key study from which the quantitative estimate is derived and which produced the database used. For cancer effects, the uncertainty associated with dose-response factors was mitigated by assuming the 95% upper bound for the slope factor.

Another source of uncertainty in carcinogenic assessment is the method by which data from high doses in animal studies are extrapolated to the dose range expected for environmentally exposed humans. The linearized multi-stage model, which is used in nearly all quantitative estimations of human risk based on animal data, is based on a nonthreshold assumption of carcinogenesis. Evidence suggests, however, that epigenetic carcinogens, as well as many genotoxic carcinogens, have a threshold below which they are noncarcinogenic. Therefore, using the linearized multi-stage model is conservative for chemicals that exhibit a threshold for carcinogenicity.

For noncarcinogenic effects, additional uncertainty factors may have been applied to derive the RfD to mitigate the poor quality of the key study or gaps in the resultant database. Additional uncertainty for noncarcinogenic effects arises from using an effect level in estimating an RfD, because this estimate is predicated on the assumption of a threshold less than that at which adverse effects are not expected. Therefore, an uncertainty factor is usually applied to estimate a no effect level.

Additional uncertainty arises in estimating an RfD for chronic exposure from subchronic data. Unless empirical data indicated that effects do not worsen with increasing exposure duration, an additional uncertainty factor was applied to the no effect level in the subchronic study. Uncertainty in deriving RfDs was mitigated by using uncertainty and modifying factors that normally range from 3–10. The resulting combination of uncertainty and modifying factors may have reached 1,000 or more. Deriving dermal RfDs and CSFs from oral-exposure values may also have caused uncertainty. This is particularly the case when no gastrointestinal absorption rates are available in the literature, or when only qualitative statements regarding absorption are available.

Use of chronic toxicity values for construction workers – Under the guidelines established by the Superfund program, exposures to construction workers of one year or less are classified as subchronic exposures. Risks for noncarcinogenic effects associated with subchronic exposures should incorporate toxicity values for subchronic and not chronic effects. Subchronic toxicity values are not as widely available as chronic values. Subchronic toxicity values used in this HHRA were obtained from USEPA's PPRTV internet site. Also, ATSDR Minimal Risk Levels (MRLs) were used as subchronic toxicity values when PPRTV values were not available. Chronic toxicity values were used when subchronic toxicity values were not available. Using chronic toxicity criteria to evaluate subchronic exposures for construction workers tends to overestimate potential noncarcinogenic risks. However, no construction worker noncarcinogenic HIs for the inhalation pathway exceeded 1. Therefore, uncertainty due to the use of chronic toxicity values for construction workers does not affect overall risk assessment conclusions.

Uncertainty in the toxicity criteria for chromium—Toxicity criteria are available for different forms of chromium, which is considered more toxic in the hexavalent state. The following table compares the maximum total- and hexavalent-chromium concentrations reported for the tax block soil samples to available USEPA RSLs:

Environmental medium (maximum concentration)	USEPA RSL residential scenario (assuming hexavalent chromium)	USEPA RSL residential scenario (assuming trivalent chromium)
Surface soil: Total = 185 mg/kg Cr VI = 3.6 mg/kg	0.29 mg/kg	120,000 mg/kg
Subsurface soil: Total = 120 mg/kg Cr VI = 1.1 mg/kg		

Cr VI—hexavalent chromium

As indicated in Section 3.3.3, in most of the subject tax blocks a limited number of surface and subsurface soil samples were analyzed for hexavalent chromium. The available hexavalent/total chromium data sets led to the conservative assumption that 5% of the chromium detected in the soils is in the hexavalent state. Risks calculated for chromium in soil, assuming 5% of total chromium is in the hexavalent form, are therefore likely overestimated.

Refined risk evaluation of GRO/DRO concentrations in tax block soils—The risk evaluation in Section 4 includes a qualitative comparison of gasoline-range organics (GRO) and diesel-range organics (DRO) concentrations to MDE's *Generic Numeric Cleanup Standards for Soil*. The evaluation is qualitative only because USEPA has not published toxicity criteria (e.g., reference doses or cancer slope-factors) for these parameters. However, as noted in the 2008 MDE *Guidance for Cleanup Standards for Soil and Groundwater*, some state regulators have established protocols for the quantitative risk assessment of these parameters.

An example of such protocols is found in Massachusetts' final policy #WSC-02-411 (*Characterizing Risks Posed by Petroleum Contaminated Sites: Implementation of the MADEP VPH/EPH Approach*) (State of Massachusetts, 2002). This methodology is cited in the referenced MDE guidelines as the basis of the published generic standards for soil. Although quantitative risk estimates based on this methodology (and the associated toxicity criteria) are more uncertain than those based on USEPA recommended toxicity criteria, for purposes of completeness, the following tables provide non-cancer risk estimates (hazard indices) for GRO/DRO based on a simple comparison of EPCs to risk-based concentrations developed using the methodology endorsed by MDE to develop the generic standards (see Appendix D).

The evaluation indicates that although some isolated detections of GRO/DRO clearly exceed the MDE generic standards (see Section 4), risk estimates based on the EPCs do not indicate that these parameters are major contributors to noncancer risk for receptors hypothetically exposed to the tax block soils. The evaluation is limited in that it does not consider the potential carcinogenic effects of the GRO/DRO constituents (e.g., benzo(a)pyrene and related chemicals). However, the chemical-specific risk assessment in Section 4 for a number of these constituents does.

Block D—Refined Evaluation of GRO/DRO (Hazard Indices)

Block D	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	0.81	0.25	550	40.3
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	**0.2**	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	0.2	<0.1

Block E—Refined Evaluation of GRO/DRO (Hazard Indices)

Block E	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	0.48	81.1	2340	2010
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	**Approximately 1**	0.9
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	0.4	0.3
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	0.6

Block F—Refined Evaluation of GRO/DRO (Hazard Indices)

Block F	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	1.2	21.2	91.8	522
Ratio of EPC to Residential RBC [2,300 mg/kg]	<0.1	<0.1	<0.1	0.2
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	0.2

Block G—Refined Evaluation of GRO/DRO (Hazard Indices)

Block G	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	131	131	77.4	21.7
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	<0.1

Block H—Refined Evaluation of GRO/DRO (Hazard Indices)

Block H	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	12	2.6	240	130
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	Approximately 0.1	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	<0.1

5.4 UNCERTAINTY IN THE RISK CHARACTERIZATION

Uncertainty in risk characterization resulted from assumptions made regarding additivity of effects from exposure to multiple COPC via various exposure routes. High uncertainty exists when summing noncarcinogenic risks for several substances across different exposure pathways. This assumes that each substance has a similar effect and/or mode of action. Even when compounds affect the same target organs, they may have different mechanisms of action or differ in their fate in the body, so additivity may not be an appropriate assumption in all cases. However, the assumption of additivity was considered because in most cases it represents a conservative estimate of risk. Risks to any individual may also have been overestimated by summing multiple assumed exposure pathway risks for any single receptor. Although every effort was made to develop reasonable scenarios, not all individual receptors may be exposed via all pathways considered.

Finally, the risk characterization does not consider antagonistic or synergistic effects. Little or no information is available to determine the potential for antagonism or synergism among the COPC. The likelihood of over- or under-predicting risks could not be defined because chemical-specific interactions could not be predicted; however, the methodology used is based on current USEPA guidance.

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Section 6
Remedial Goal Options

Cleanup goals were developed for those environmental media with incremental lifetime-cancer risk (ILCRs) greater than 1×10^{-5} and a total hazard index (HI) greater than 1.0. Cleanup goals were derived for those contaminants of concern (COC) that contribute significantly to the cancer risk and/or hazard index for each exposure pathway in a given land-use scenario for a receptor group. Chemicals were not considered significant contributors to risk, and were therefore not included as COC, if their individual carcinogenic risk contribution was less than or equal to 1×10^{-6} and their non-carcinogenic hazard quotient (HQ) was less than or equal to 0.1. Cleanup goals were calculated using the following equation:

$$\text{Cleanup Goal [chemical i]} = \text{EPC[chemical i]} \times \text{Target Risk/Calculated Risk[chemical i]}$$

where:

Cleanup goal [chemical i]	=	chemical specific cleanup goal
EPC [chemical i]	=	exposure point concentration used in risk assessment calculations
Target risk	=	target risk for carcinogens or the target hazard quotients for noncarcinogens
Calculated risk [chemical i]	=	total risk calculated for a specific chemical in the risk assessment

Cleanup goals calculated for soil for each tax block are presented in Tables 6-1 through 6-5. These tables include potential U.S. Environmental Protection Agency (USEPA) regional screening-level (RSL) criteria, when available.

Figures displaying the concentrations of the COC selected for each tax block compared to relevant benchmark concentrations such as commercial receptor, industrial worker, and resident Remedial goal options (RGOs) and Maryland Department of the Environment (MDE) cleanup standards are presented in Appendix E.

Table 6-1

Preliminary Remedial Goals - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

CHILD COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[(1)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	NA	0.048	0.48	4.8	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[(1)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	NA	0.156	1.56	15.6	NA

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[(1)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	NA	0.036	0.36	3.6	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[(1,2)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[(1,2)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[(1,2)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

Table 6-1

Preliminary Remedial Goals - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

CHILD RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.0139	0.139	1.39	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Residential soil.
3 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are available for commercial receptors.

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

CONSTRUCTION WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Aroclor-1254	0.74	5.75	57.5	575	3.31
Aroclor-1260	0.74	5.75	57.5	575	NA

INDUSTRIAL WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	99	141	1,414	14,137	350
Benzo(a)pyrene Equivalents[4]	0.21	0.289	2.89	28.9	NA
Aroclor-1254	0.74	1.00	10.0	100	14.4
Aroclor-1260	0.74	1.00	10.0	100	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	77.9	779	7,794	799
Benzo(a)pyrene Equivalents[4]	NA	0.048	0.476	4.76	NA
Aroclor-1254	NA	0.910	9.10	91.0	3.12
Aroclor-1260	NA	0.910	9.10	91.0	NA
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	177	1,767	17,669	1,178
Benzo(a)pyrene Equivalents[4]	NA	0.156	1.56	15.6	NA
Aroclor-1254	NA	1.46	14.6	146	10.0
Aroclor-1260	NA	1.46	14.6	146	NA

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[(1)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	54.1	541	5408	NA
Benzo(a)pyrene Equivalents[(4)]	NA	0.0365	0.365	3.65	NA
Aroclor-1254	NA	0.561	5.61	56.1	NA
Aroclor-1260	NA	0.561	5.61	56.1	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[(1)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	141	1,414	14,137	350
Benzo(a)pyrene Equivalents[(4)]	NA	0.289	2.89	28.9	NA
Aroclor-1254	NA	1.00	10.0	100	14.4
Aroclor-1260	NA	1.00	10.0	100	NA

CHILD RECREATIONAL USERS					
Chemical	**USEPA RSL[(1,3)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,3-Trichlorobenzene	49	NA	NA	NA	80.8
1,2,4-Trichlorobenzene	22	40.6	406	4,064	265
Benzo(a)pyrene Equivalents[(4)]	0.015	0.024	0.241	2.41	NA
Aroclor-1254	0.22	0.459	4.59	45.9	1.57
Aroclor-1260	0.22	0.459	4.59	45.9	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

ADOLESCENT RECREATIONAL USERS					
Chemical	**USEPA RSL[(1,3)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	22	108	1,077	10,770	337
Benzo(a)pyrene Equivalents[(4)]	0.015	0.126	1.26	12.6	NA
Aroclor-1254	0.22	1.20	12.0	120	8.21
Aroclor-1260	0.22	1.20	12.0	120	NA

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADULT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	22	184	1,836	18,360	345
Benzo(a)pyrene Equivalents[4]	0.015	0.538	5.38	53.8	NA
Aroclor-1254	0.22	1.91	19.1	191	13.1
Aroclor-1260	0.22	1.91	19.1	191	NA

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	22	25.4	254	2542	NA
Benzo(a)pyrene Equivalents[4]	0.015	0.0195	0.195	1.95	NA
Aroclor-1254	0.22	0.283	2.83	28.3	NA
Aroclor-1260	0.22	0.283	2.83	28.3	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,3-Trichlorobenzene	49	NA	NA	NA	57.7
1,2,4-Trichlorobenzene	22	29.0	290	2,903	76.4
Benzo(a)pyrene Equivalents[4]	0.015	0.017	0.172	1.72	NA
Aroclor-1254	0.22	0.328	3.28	32.8	1.12
Aroclor-1260	0.22	0.328	3.28	32.8	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,3-Trichlorobenzene	49	NA	NA	NA	306
1,2,4-Trichlorobenzene	22	76.9	769	7,693	83.6
Benzo(a)pyrene Equivalents[4]	0.015	0.090	0.897	8.97	NA
Aroclor-1254	0.22	0.855	8.55	85.5	5.86
Aroclor-1260	0.22	0.855	8.55	85.5	NA
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADULT RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	22	131	1,311	13,114	84.4
Benzo(a)pyrene Equivalents[4]	0.015	0.384	3.84	38.4	NA
Aroclor-1254	0.22	1.37	13.7	137	9.37
Aroclor-1260	0.22	1.37	13.7	137	NA
LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	22	18.2	182	1816	NA
1,4-Dichlorobenzene	2.4	3.1	31	307	NA
Benzo(a)pyrene Equivalents[4]	0.015	0.014	0.14	1.4	NA
Aroclor-1254	0.22	0.20	2.0	20	NA
Aroclor-1260	0.22	0.202	2.02	20.2	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
4 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are available for commercial receptors.

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.21	0.289	2.89	28.9	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.156	1.56	15.6	NA
Hexavalent Chromium	NA	1.09	10.9	109	745

LIFELONG COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.289	2.89	28.9	NA

CHILD RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.024	0.241	2.41	NA
Naphthalene	3.6	96.2	962	9,621	552
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.126	1.26	12.6	NA
Hexavalent Chromium	0.29	1.15	11.5	115	792

LIFELONG RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.0195	0.195	1.95	NA
Naphthalene	3.6	19.2	192.4	1924	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.017	0.172	1.72	NA
Naphthalene	3.6	22.9	229	2,291	171
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.090	0.897	8.97	NA
Naphthalene	3.6	11.5	115	1,145	194
Arsenic	0.39	1.49	14.9	149	114
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

ADULT RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.384	3.84	38.4	NA
Naphthalene	3.6	11.5	115	1,145	196

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.0139	0.139	1.39	NA
Naphthalene	3.6	4.58	45.8	458	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
4 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

Table 6-4

Preliminary Remedial Goals - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	USEPA RSL[1,2] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.21	0.289	2.89	28.9	NA
Arsenic	1.6	2.73	27.3	273	438

CHILD COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.156	1.56	15.6	NA
Arsenic	NA	3.42	34.2	342	263

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.289	2.89	28.9	NA
Arsenic	NA	2.73	27.3	273	438

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

Table 6-4

Preliminary Remedial Goals - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

LIFELONG RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Cobalt	23	4,366	43,665	436,648	22.8
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.014	0.14	1.4	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	USEPA RSL[1,2] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.21	0.289	2.89	28.9	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.156	1.56	15.6	NA

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.289	2.89	28.9	NA

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.225	2.25	22.5	155

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

ADULT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.538	5.38	53.8	NA

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

ADULT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.384	3.84	38.4	NA

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

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Section 7
References

1. Cassell, J. R., 1977. "Drainage Area Map—Existing Storm-Water Drains, Chesapeake Park Plaza/Dark Head Cove Road." Sheet A1 of 7. July 20.

2. Earth Tech, Inc., 2003. *Draft Phase I Environmental Assessment, Chesapeake Industrial Park*. February.

3. Massachusetts Department of Environmental Protection, 2002. *Characterizing Risks posed by Petroleum Contaminated Sites: Implementation of MADEP VPH/EPA Approach*. Policy #WSC-02-0411. October 31.

4. Reinhardt, J., 1977. "Geologic Map of the Middle River Quadrangle, Maryland." Maryland Geological Survey, Baltimore, Maryland.

5. State of Maryland, 2006. *Voluntary Cleanup Program Guidance Document from the State of Maryland*. Maryland Department of the Environment, Environmental Restoration and Redevelopment Program. March.

6. State of Maryland, 2008. *Interim Final Guidance from the State of Maryland, Department of the Environment, Cleanup Standards for Soil and Groundwater*. June.

7. Tetra Tech, 2006a. *Revised Human Health Risk Assessment, Martin State Airport, Middle River, Maryland*, prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. January.

8. Tetra Tech, 2006b. *Site Characterization Report, Lockheed Martin Middle River Complex*, prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation Lockheed Martin Corporation, Bethesda, Maryland. May.

9. Tetra Tech, 2010. *Block E Supplemental Soil and Storm-Drain-Sediment Characterization Report*. Lockheed Martin Middle River Complex. 2323 Eastern Boulevard, Middle River, Maryland. October.

10. Tetra Tech, 2004. *Final Report Phase II Site Investigation of Exterior Areas, Volumes I and II, Lockheed Martin Middle River Complex*. February.

11. Tetra Tech, 2004. *Historical Research Report, Lockheed Martin Middle River Complex*. August.

12. U.S. Department of Agriculture Soil Conservation Service, 1993. *Soil Survey of Baltimore County, Maryland*. September.

13. USEPA (U.S. Environmental Protection Agency), 1989. *Risk Assessment Guidance for Superfund (RAGS), Volume I. Human Health Evaluation Manual, Part A. Interim Final.* December.

14. USEPA, 1991. *Risk Assessment Guidance for Superfund, Volume I. Human Health Evaluation Manual: Standard Default Exposure Factors*. March.

15. USEPA, 1992. "Guidance and Risk Characterization for Risk Managers and Risk Assessors." Memorandum from F. Henry Habicht, Deputy Administrator, Washington, D.C. February.

16. USEPA, 1993a. *Distribution of Preliminary Review Draft: Superfund's Standard Default Exposure Factors for the Central-Tendency and Reasonable Maximum Exposure*. Office of Solid Waste and Emergency Response (OSWER), Washington, D.C. May.

17. USEPA, 1993b. *Provisional Guidance for Quantitative Risk Assessment for Polycyclic Aromatic-Hydrocarbons*. Office of Research and Development. Washington, D.C. EPA/600/R-93-089. July.

18. USEPA, 1994. *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities*. OSWER, Washington, D.C. Directive 9355.4-12. July.

19. USEPA, 1996a. *Soil-Screening Guidance: Technical Background Document*. EPA/540/R-95/128, Office of Solid Waste and Emergency Response, Washington, D.C. May.

20. USEPA, 1996b. *PCBs: Cancer Dose-Response Assessment and Application to Environmental Mixtures*. EPA/600/P-96/001F, National Center for Environmental Assessment, Cincinnati, Ohio. September.

21. USEPA, 1997a. *Exposure Factors Handbook*. Office of Research and Development, National Center for Environmental Assessment, Washington, D.C. EPA/600/P-95/002F. August.

22. USEPA, 1999a. "Use of the TRW Interim Adult Lead Methodology in Risk Assessment." Memorandum from Pat Van Leewven and Paul White to Mark Maddaloni. April.

23. USEPA, 2001. *Risk Assessment for Superfund Human Health Evaluation Manual*, Part D: "Standardized Planning, Reporting, and Review of Superfund Risk Assessments" (*RAGS Part D*), Publication 9285.7-01D. December.

24. USEPA, 2002a. *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites*. OSWER 9355.4-24, Washington, D.C. December.

25. USEPA, 2002b. *Calculating Upper Confidence-Limits for Exposure-Point Concentrations at Hazardous Waste Sites*. OSWER 9285.6-10. Office of Emergency and Remedial Response, Washington, D.C. December.

26. USEPA, 2003a. *Updated Dermal Exposure Assessment Guidance. Region 3 Technical Guidance Manual, Risk Assessment*. USEPA, Region 3, Philadelphia, Pennsylvania. June.

27. USEPA, 2003b. *Recommendations of the Technical Review Workgroup for Lead for an Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil*. Washington, D.C. EPA-540-R-03-001. January.

28. USEPA, 2003c. *Human Health Toxicity Values in Superfund Risk Assessments*. Office of Superfund Remediation and Technology Innovation, OSWER 9285.7-53. Washington, D.C. December.

29. USEPA, 2004a. *Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual*, Part E, "Supplemental Guidance for Dermal Risk Assessment." Office of Emergency and Remedial Response. Washington, D.C. July.

30. USEPA, 2005a. *Guidelines for Carcinogen Risk Assessment*. EPA/630/P-03/001B. Risk Assessment Forum. Washington, D.C. March.

31. USEPA, 2005b. *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens*. Risk Assessment Forum. EPA/630/R-03/003F. Washington, D.C. March.

32. USEPA, 2009a. *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual*, Part F, "Supplemental Guidance for Inhalation Risk Assessment," *Final*. Office of Superfund Remediation and Technology Innovation. Washington, D.C. 20460 EPA-540-R-070-002, OSWER 9285.7-82. January.

33. USEPA, 2009b. *Integrated Exposure-Uptake Biokinetic-Model for Lead in Children, Windows®* version (IEUBKwin v 1.1 Build 9). June.

34. USEPA, 2009c. *Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameters*. Office of Superfund Remediation and Technology Innovation. Washington, D.C. OSWER 9200.2-82.

35. USEPA, 2010a. *Regional Screening-Levels for Chemical Contaminants at Superfund Sites*, prepared by Oak Ridge National Laboratory. May. http://epa-prgs.ornl.gov/chemicals/index.shtml.

36. USEPA, 2010b. *USEPA Technical Review Workgroup for Lead. Guidance Document*. "Frequently Asked Question (FAQs) on the Adult Lead Model." May 10. [http://www.epa.gov/superfund/programs/lead/adult.htm]

37. USEPA, 2010c. *ProUCL Version 4.00.05 User Guide*. Office of Research and Development, Washington, D.C. EPA/600/R-07/038. May.

38. USEPA, 2009c. *Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameters*. Office of Superfund Remediation and Technology Innovation. [http://www.epa.gov/superfund/lead/almfaq.htm]

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APPENDIX A—DATA SUMMARY TABLES

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DIBROMOETHANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
2-BUTANONE	55 U	55 UL	54 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	5 U	6 UL	5 U	NA	NA	NA
2-CHLOROTOLUENE	5 U	6 UL	5 U	NA	NA	NA
2-HEXANONE	55 U	55 UL	54 U	NA	NA	NA
4-CHLOROTOLUENE	5 U	6 UL	5 U	NA	NA	NA
4-ISOPROPYLTOLUENE	5 U	6 UL	5 U	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	55 UL	54 U	NA	NA	NA
ACETONE	55 U	55 UL	54 U	NA	NA	NA
BENZENE	5 U	6 UL	5 U	NA	NA	NA
BROMOBENZENE	5 U	6 UL	5 U	NA	NA	NA
BROMOCHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
BROMODICHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
BROMOFORM	5 U	6 UL	5 U	NA	NA	NA
BROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
CARBON DISULFIDE	5 U	6 UL	5 U	NA	NA	NA
CARBON TETRACHLORIDE	5 U	6 UL	5 U	NA	NA	NA
CHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
CHLORODIBROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
CHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
CHLOROFORM	5 U	6 UL	5 U	NA	NA	NA
CHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
DIBROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
M+P-XYLENES	11 U	11 UL	10 J	NA	NA	NA
METHYL TERT-BUTYL ETHER	5 U	6 UL	5 U	NA	NA	NA
METHYLENE CHLORIDE	5 U	6 UL	8 J	NA	NA	NA
NAPHTHALENE	5 U	6 UL	5 U	NA	NA	NA
N-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
N-PROPYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
O-XYLENE	5 U	6 UL	5 U	NA	NA	NA
SEC-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
STYRENE	5 U	6 UL	5 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TOLUENE	5 U	6 UL	5 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
TRICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
VINYL ACETATE	5 U	6 UL	5 U	NA	NA	NA
VINYL CHLORIDE	5 U	6 UL	5 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	370 U	3700 U	3600 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	3700 U	3600 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DICHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DIMETHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DINITROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
2,4-DINITROTOLUENE	370 U	3700 U	3600 U	NA	NA	NA
2,6-DINITROTOLUENE	370 U	3700 U	3600 U	NA	NA	NA
2-CHLORONAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
2-CHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA
2-NITROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
3&4-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	370 U	3700 U	3600 U	NA	NA	NA
3-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	850 U	8400 U	8400 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	370 U	3700 U	3600 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
4-CHLOROANILINE	370 U	3700 U	3600 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	370 U	3700 U	3600 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
ACETOPHENONE	370 U	3700 U	3600 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	370 U	3700 U	3600 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	370 U	3700 U	3600 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	370 U	3700 U	3600 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
CAPROLACTAM	370 U	3700 U	3600 U	NA	NA	NA
CARBAZOLE	370 U	3700 U	3600 U	NA	NA	NA
DIBENZOFURAN	370 U	3700 U	3600 U	NA	NA	NA
DIETHYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DIMETHYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	370 U	3700 U	3600 UJ	NA	NA	NA
HEXACHLOROBENZENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROBUTADIENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROETHANE	370 U	3700 U	3600 U	NA	NA	NA
ISOPHORONE	370 U	3700 U	3600 U	NA	NA	NA
NITROBENZENE	370 U	3700 U	3600 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	370 U	3700 U	3600 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	370 U	3700 U	3600 U	NA	NA	NA
PENTACHLOROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
PHENOL	370 U	3700 U	3600 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
ACENAPHTHENE	370 U	3700 U	3600 U	NA	NA	NA
ACENAPHTHYLENE	370 U	3700 U	3600 U	NA	NA	NA
ANTHRACENE	370 U	3700 U	3600 U	NA	NA	NA
BAP EQUIVALENT-HALFND	370 U	3700 U	3600 U	20.4	1.5 U	1.5 U
BAP EQUIVALENT-POS	370 U	3700 U	3600 U	19.6	1.5 U	1.5 U
BENZO(A)ANTHRACENE	370 U	3700 U	3600 U	13	1.1 U	1.1 U
BENZO(A)PYRENE	370 U	3700 U	3600 UJ	14	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	370 U	3700 U	3600 UJ	22	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	370 U	3700 U	3600 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	370 U	3700 U	3600 UJ	9.2	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	370 U	3700 U	3600 U	18	1 U	1 U
DIBENZO(A,H)ANTHRACENE	370 U	3700 U	3600 UJ	1.5 U	1.5 U	1.5 U
FLUORANTHENE	370 U	3700 U	3600 U	NA	NA	NA
FLUORENE	370 U	3700 U	3600 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	370 U	3700 U	3600 UJ	20	1.7 U	1.7 U
NAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
PHENANTHRENE	370 U	3700 U	3600 U	NA	NA	NA
PYRENE	37 J	3700 U	3600 U	NA	NA	NA
TOTAL PAHS	37	0 U	0 U	96.2	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1221	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1232	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1242	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1248	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1254	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1260	270 U	270 U	270 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.6 UR	2.4 UL	2.4 UR	NA	NA	NA
ARSENIC	1.8 L	0.48 U	1 L	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.6 U	2.4 U	2.4 UL	NA	NA	NA
CADMIUM	2.6 UL	2.4 U	2.4 UL	NA	NA	NA
CHROMIUM	7.9 L	14 J	7.1 K	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	7.4	15 J	34 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	2.8 J	13 K	12 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.11 UL	0.096 U	0.098 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	3.6 K	14 K	25	NA	NA	NA
SELENIUM	2.6 UL	2.5	2.4 UL	NA	NA	NA
SILVER	2.6 UR	2.4 UR	2.4 UR	NA	NA	NA
THALLIUM	2.1 UL	1.9 U	2 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	26 UL	24 UL	24 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	11000 U	1800000	11000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	1100	3200	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,1-TRICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2,2-TETRACHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2-TRICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2,4-TRIMETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,2-DIBROMOETHANE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,3,5-TRIMETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
2-BUTANONE	NA	67 U	NA	NA	53 U	NA
2-CHLOROETHYL VINYL ETHER	NA	7 U	NA	NA	5 U	NA
2-CHLOROTOLUENE	NA	7 U	NA	NA	5 U	NA
2-HEXANONE	NA	67 U	NA	NA	53 U	NA
4-CHLOROTOLUENE	NA	7 U	NA	NA	5 U	NA
4-ISOPROPYLTOLUENE	NA	7 U	NA	NA	5 U	NA
4-METHYL-2-PENTANONE	NA	67 U	NA	NA	53 U	NA
ACETONE	NA	67 U	NA	NA	53 U	NA
BENZENE	NA	7 U	NA	NA	5 U	NA
BROMOBENZENE	NA	7 U	NA	NA	5 U	NA
BROMOCHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
BROMODICHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
BROMOFORM	NA	7 U	NA	NA	5 U	NA
BROMOMETHANE	NA	7 U	NA	NA	5 U	NA
CARBON DISULFIDE	NA	7 U	NA	NA	5 U	NA
CARBON TETRACHLORIDE	NA	7 U	NA	NA	5 U	NA
CHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
CHLORODIBROMOMETHANE	NA	7 U	NA	NA	5 U	NA
CHLOROETHANE	NA	7 U	NA	NA	5 U	NA
CHLOROFORM	NA	7 U	NA	NA	5 U	NA
CHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
CIS-1,2-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
CIS-1,3-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
DIBROMOMETHANE	NA	7 U	NA	NA	5 U	NA
DICHLORODIFLUOROMETHANE	NA	7 U	NA	NA	5 U	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	7 U	NA	NA	5 U	NA
M+P-XYLENES	NA	13 U	NA	NA	11 U	NA
METHYL TERT-BUTYL ETHER	NA	7 U	NA	NA	5 U	NA
METHYLENE CHLORIDE	NA	7 U	NA	NA	5 U	NA
NAPHTHALENE	NA	7 U	NA	NA	5 U	NA
N-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
N-PROPYLBENZENE	NA	7 U	NA	NA	5 U	NA
O-XYLENE	NA	7 U	NA	NA	5 U	NA
SEC-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
STYRENE	NA	7 U	NA	NA	5 U	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TOLUENE	NA	7 U	NA	NA	5 U	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TRANS-1,3-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
TRICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TRICHLOROFLUOROMETHANE	NA	7 U	NA	NA	5 U	NA
VINYL ACETATE	NA	7 U	NA	NA	5 U	NA
VINYL CHLORIDE	NA	7 U	NA	NA	5 U	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	450 U	NA	NA	3600 U	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	450 U	NA	NA	3600 U	NA
2,4,5-TRICHLOROPHENOL	NA	1100 U	NA	NA	9000 U	NA
2,4,6-TRICHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DICHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DIMETHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DINITROPHENOL	NA	1100 U	NA	NA	9000 U	NA
2,4-DINITROTOLUENE	NA	450 U	NA	NA	3600 U	NA
2,6-DINITROTOLUENE	NA	450 U	NA	NA	3600 U	NA
2-CHLORONAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
2-CHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
2-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA
2-NITROPHENOL	NA	450 U	NA	NA	3600 U	NA
3&4-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
3,3'-DICHLOROBENZIDINE	NA	450 U	NA	NA	3600 U	NA
3-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	1000 U	NA	NA	8300 U	NA
4-BROMOPHENYL PHENYL ETHER	NA	450 U	NA	NA	3600 U	NA
4-CHLORO-3-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
4-CHLOROANILINE	NA	450 U	NA	NA	3600 U	NA
4-CHLOROPHENYL PHENYL ETHER	NA	450 U	NA	NA	3600 U	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1100 U	NA	NA	9000 U	NA
ACETOPHENONE	NA	450 U	NA	NA	3600 U	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	450 U	NA	NA	3600 U	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	450 U	NA	NA	3600 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	450 U	NA	NA	3600 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	450 U	NA	NA	3600 U	NA
BUTYL BENZYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
CAPROLACTAM	NA	450 U	NA	NA	3600 U	NA
CARBAZOLE	NA	450 U	NA	NA	3600 U	NA
DIBENZOFURAN	NA	450 U	NA	NA	3600 U	NA
DIETHYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
DIMETHYL PHTHALATE	NA	450 U	NA	NA	2000 J	NA
DI-N-BUTYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
DI-N-OCTYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROBENZENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROBUTADIENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROETHANE	NA	450 U	NA	NA	3600 U	NA
ISOPHORONE	NA	450 U	NA	NA	3600 U	NA
NITROBENZENE	NA	450 U	NA	NA	3600 U	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	450 U	NA	NA	3600 U	NA
N-NITROSODIPHENYLAMINE	NA	450 U	NA	NA	3600 U	NA
PENTACHLOROPHENOL	NA	1100 U	NA	NA	9000 U	NA
PHENOL	NA	450 U	NA	NA	3600 U	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
ACENAPHTHENE	NA	450 U	NA	NA	3600 U	NA
ACENAPHTHYLENE	NA	450 U	NA	NA	3600 U	NA
ANTHRACENE	NA	450 U	NA	NA	3600 U	NA
BAP EQUIVALENT-HALFND	1.5 U	520	715	8596	3600 U	33.9
BAP EQUIVALENT-POS	1.5 U	0.06	714	8591	3600 U	33.2
BENZO(A)ANTHRACENE	1.1 U	450 U	380	5200	3600 U	23 J
BENZO(A)PYRENE	1.5 U	450 U	560	6900	3600 U	23 J
BENZO(B)FLUORANTHENE	1.4 U	450 U	780	7400	3600 U	56 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	450 U	NA	NA	3600 U	NA
BENZO(K)FLUORANTHENE	1.9 U	450 U	290	3600	3600 U	16 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	60 J	530	4600	3600 U	37 J
DIBENZO(A,H)ANTHRACENE	1.5 U	450 U	1.7 U	11 U	3600 U	1.5 UJ
FLUORANTHENE	NA	98 J	NA	NA	630 J	NA
FLUORENE	NA	450 U	NA	NA	3600 U	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	450 U	350	3900	3600 U	21 J
NAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
PHENANTHRENE	NA	54 J	NA	NA	3600 U	NA
PYRENE	NA	94 J	NA	NA	540 J	NA
TOTAL PAHS	0 U	306	2890	31600	1170	176
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	53 U	NA	NA	42 U	NA
4,4'-DDE	NA	53 U	NA	NA	42 U	NA
4,4'-DDT	NA	53 U	NA	NA	42 U	NA
ALDRIN	NA	53 U	NA	NA	42 U	NA
ALPHA-BHC	NA	53 U	NA	NA	42 U	NA
ALPHA-CHLORDANE	NA	53 U	NA	NA	42 U	NA
AROCLOR-1016	NA	330 U	NA	NA	260 U	NA
AROCLOR-1221	NA	330 U	NA	NA	260 U	NA
AROCLOR-1232	NA	330 U	NA	NA	260 U	NA
AROCLOR-1242	NA	330 U	NA	NA	260 U	NA
AROCLOR-1248	NA	330 U	NA	NA	260 U	NA
AROCLOR-1254	NA	330 U	NA	NA	260 U	NA
AROCLOR-1260	NA	330 U	NA	NA	260 U	NA
BETA-BHC	NA	53 U	NA	NA	42 U	NA
DELTA-BHC	NA	53 U	NA	NA	42 U	NA
DIELDRIN	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN I	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN II	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN SULFATE	NA	53 U	NA	NA	42 U	NA
ENDRIN	NA	53 U	NA	NA	42 U	NA
ENDRIN ALDEHYDE	NA	53 U	NA	NA	42 U	NA
ENDRIN KETONE	NA	53 U	NA	NA	42 U	NA
GAMMA-BHC (LINDANE)	NA	53 U	NA	NA	42 U	NA
GAMMA-CHLORDANE	NA	53 U	NA	NA	42 U	NA
HEPTACHLOR	NA	53 U	NA	NA	42 U	NA
HEPTACHLOR EPOXIDE	NA	53 U	NA	NA	42 U	NA
METHOXYCHLOR	NA	53 U	NA	NA	42 U	NA
TOTAL AROCLOR	NA	0 U	NA	NA	0 U	NA
TOXAPHENE	NA	1300 U	NA	NA	1100 U	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UR	NA	NA	2.6 UR	NA
ARSENIC	NA	2.2 L	NA	NA	1.5 L	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 U	NA	NA	2.6 U	NA
CADMIUM	NA	3.1 UL	NA	NA	2.6 UL	NA
CHROMIUM	NA	11 L	NA	NA	24 L	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	7.5	NA	NA	9.4	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	8.6 J	NA	NA	41 J	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.13 UL	NA	NA	0.1 UL	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	7.4	NA	NA	8.4	NA
SELENIUM	NA	3.1 UL	NA	NA	2.6 UL	NA
SILVER	NA	3.1 UR	NA	NA	2.6 UR	NA
THALLIUM	NA	2.5 UL	NA	NA	2.1 UL	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	31 UL	NA	NA	43 J	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	14000 U	NA	NA	100000 L	NA
GASOLINE RANGE ORGANICS	NA	130 U	NA	NA	110 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
2-BUTANONE	NA	NA	NA	NA	NA	52 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	5 U
2-HEXANONE	NA	NA	NA	NA	NA	52 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	5 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	5 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	52 U
ACETONE	NA	NA	NA	NA	NA	52 U
BENZENE	NA	NA	NA	NA	NA	5 U
BROMOBENZENE	NA	NA	NA	NA	NA	5 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	5 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	5 U
BROMOFORM	NA	NA	NA	NA	NA	5 U
BROMOMETHANE	NA	NA	NA	NA	NA	5 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	5 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	5 U
CHLOROBENZENE	NA	NA	NA	NA	NA	5 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	5 U
CHLOROETHANE	NA	NA	NA	NA	NA	5 U
CHLOROFORM	NA	NA	NA	NA	NA	5 U
CHLOROMETHANE	NA	NA	NA	NA	NA	5 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	5 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	5 U
M+P-XYLENES	NA	NA	NA	NA	NA	10 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	5 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	7 J
NAPHTHALENE	NA	NA	NA	NA	NA	5 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	5 U
O-XYLENE	NA	NA	NA	NA	NA	5 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
STYRENE	NA	NA	NA	NA	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	5 U
TOLUENE	NA	NA	NA	NA	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	5 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	5 U
VINYL ACETATE	NA	NA	NA	NA	NA	5 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	5 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	3500 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	3500 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	8800 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	8800 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	3500 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	3500 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	3500 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
2-NITROANILINE	NA	NA	NA	NA	NA	8800 U
2-NITROPHENOL	NA	NA	NA	NA	NA	3500 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	3500 U
3-NITROANILINE	NA	NA	NA	NA	NA	8800 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	8100 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	3500 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	3500 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	3500 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	8800 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	8800 U
ACETOPHENONE	NA	NA	NA	NA	NA	3500 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	3500 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	3500 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	3500 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	3500 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
CAPROLACTAM	NA	NA	NA	NA	NA	3500 U
CARBAZOLE	NA	NA	NA	NA	NA	3500 U
DIBENZOFURAN	NA	NA	NA	NA	NA	3500 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	3500 U
ISOPHORONE	NA	NA	NA	NA	NA	3500 U
NITROBENZENE	NA	NA	NA	NA	NA	3500 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	3500 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	3500 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	8800 U
PHENOL	NA	NA	NA	NA	NA	3500 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	3500 U
ACENAPHTHENE	NA	NA	NA	NA	NA	3500 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	3500 U
ANTHRACENE	NA	NA	NA	NA	NA	3500 U
BAP EQUIVALENT-HALFND	121	209	3019	6424	131	3500 U
BAP EQUIVALENT-POS	121	209	3019	6424	131	3500 U
BENZO(A)ANTHRACENE	71.5	120 J	1700	4300	55	3500 U
BENZO(A)PYRENE	76.5	130 J	2000	4300	79	3500 U
BENZO(B)FLUORANTHENE	123	190 J	2300	5800	110	3500 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	3500 U
BENZO(K)FLUORANTHENE	37	58 J	740	2000	28	3500 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	78.5	120 J	1700	3900	58	3500 U
DIBENZO(A,H)ANTHRACENE	19.875	39 J	480	850	29	3500 U
FLUORANTHENE	NA	NA	NA	NA	NA	3500 U
FLUORENE	NA	NA	NA	NA	NA	3500 U
INDENO(1,2,3-CD)PYRENE	51	81 J	1300	2400	58	3500 U
NAPHTHALENE	NA	NA	NA	NA	NA	3500 U
PHENANTHRENE	NA	NA	NA	NA	NA	3500 U
PYRENE	NA	NA	NA	NA	NA	3500 U
TOTAL PAHS	457	738	10220	23550	417	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	260 U
AROCLOR-1221	NA	NA	NA	NA	NA	260 U
AROCLOR-1232	NA	NA	NA	NA	NA	260 U
AROCLOR-1242	NA	NA	NA	NA	NA	260 U
AROCLOR-1248	NA	NA	NA	NA	NA	260 U
AROCLOR-1254	NA	NA	NA	NA	NA	260 U
AROCLOR-1260	NA	NA	NA	NA	NA	260 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.5 UL
ARSENIC	NA	NA	NA	NA	NA	1.7
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.5 U
CADMIUM	NA	NA	NA	NA	NA	2.5 U
CHROMIUM	NA	NA	NA	NA	NA	9.4 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	4.8
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	5.1
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.099 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	5.6
SELENIUM	NA	NA	NA	NA	NA	2.5 U
SILVER	NA	NA	NA	NA	NA	2.5 UR
THALLIUM	NA	NA	NA	NA	NA	2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	25 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	21000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	1400
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
2-BUTANONE	NA	NA	56 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 UL	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	NA
2-HEXANONE	NA	NA	56 UL	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 UL	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	56 UL	NA	NA	NA
ACETONE	NA	NA	56 UL	NA	NA	NA
BENZENE	NA	NA	6 UL	NA	NA	NA
BROMOBENZENE	NA	NA	6 UL	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
BROMOFORM	NA	NA	6 UL	NA	NA	NA
BROMOMETHANE	NA	NA	6 UL	NA	NA	NA
CARBON DISULFIDE	NA	NA	6 UL	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 UL	NA	NA	NA
CHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 UL	NA	NA	NA
CHLOROETHANE	NA	NA	6 UL	NA	NA	NA
CHLOROFORM	NA	NA	6 UL	NA	NA	NA
CHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
DIBROMOMETHANE	NA	NA	6 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 UL	NA	NA	NA
M+P-XYLENES	NA	NA	11 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 UL	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	6 UL	NA	NA	NA
NAPHTHALENE	NA	NA	6 UL	NA	NA	NA
N-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
N-PROPYLBENZENE	NA	NA	6 UL	NA	NA	NA
O-XYLENE	NA	NA	6 UL	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
STYRENE	NA	NA	6 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TOLUENE	NA	NA	6 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
TRICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 UL	NA	NA	NA
VINYL ACETATE	NA	NA	6 UL	NA	NA	NA
VINYL CHLORIDE	NA	NA	6 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	3800 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	3800 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	9400 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	9400 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	3800 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	3800 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	3800 U	NA	NA	NA
2-CHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
2-NITROANILINE	NA	NA	9400 U	NA	NA	NA
2-NITROPHENOL	NA	NA	3800 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	3800 U	NA	NA	NA
3-NITROANILINE	NA	NA	9400 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	8700 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	3800 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
4-CHLOROANILINE	NA	NA	3800 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	3800 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	9400 U	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	9400 U	NA	NA	NA
ACETOPHENONE	NA	NA	3800 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	3800 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	3800 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	3800 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	3800 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
CAPROLACTAM	NA	NA	3800 U	NA	NA	NA
CARBAZOLE	NA	NA	3800 U	NA	NA	NA
DIBENZOFURAN	NA	NA	3800 U	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROETHANE	NA	NA	3800 U	NA	NA	NA
ISOPHORONE	NA	NA	3800 U	NA	NA	NA
NITROBENZENE	NA	NA	3800 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	3800 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	3800 U	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	9400 U	NA	NA	NA
PHENOL	NA	NA	3800 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	3800 U	NA	NA	NA
ACENAPHTHENE	NA	NA	3800 U	NA	NA	NA
ACENAPHTHYLENE	NA	NA	3800 U	NA	NA	NA
ANTHRACENE	NA	NA	3800 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22517	46.1	4243	17997	23.7	646
BAP EQUIVALENT-POS	22517	45.3	43.7	17997	22.9	646
BENZO(A)ANTHRACENE	23000	42	430 J	15000	16	490
BENZO(A)PYRENE	16000	35	3800 U	13000	18	450
BENZO(B)FLUORANTHENE	16000	42	3800 U	12000	20	560
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3800 U	NA	NA	NA
BENZO(K)FLUORANTHENE	6300	20	3800 U	4300	9.5	210
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	24000	43	650 J	14000	18	440
DIBENZO(A,H)ANTHRACENE	1900	1.5 U	3800 U	1700	1.6 U	66
FLUORANTHENE	NA	NA	980 J	NA	NA	NA
FLUORENE	NA	NA	3800 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	6300	17	3800 U	5400	12	220
NAPHTHALENE	NA	NA	3800 U	NA	NA	NA
PHENANTHRENE	NA	NA	610 J	NA	NA	NA
PYRENE	NA	NA	1800 J	NA	NA	NA
TOTAL PAHS	93500	199	4470	65400	93.5	2436
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	280 U	NA	NA	NA
AROCLOR-1221	NA	NA	280 U	NA	NA	NA
AROCLOR-1232	NA	NA	280 U	NA	NA	NA
AROCLOR-1242	NA	NA	280 U	NA	NA	NA
AROCLOR-1248	NA	NA	280 U	NA	NA	NA
AROCLOR-1254	NA	NA	280 U	NA	NA	NA
AROCLOR-1260	NA	NA	280 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.7 UL	NA	NA	NA
ARSENIC	NA	NA	0.62 K	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.7 U	NA	NA	NA
CADMIUM	NA	NA	2.7 U	NA	NA	NA
CHROMIUM	NA	NA	13 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	20 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	22 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	16 K	NA	NA	NA
SELENIUM	NA	NA	2.7 U	NA	NA	NA
SILVER	NA	NA	2.7 UR	NA	NA	NA
THALLIUM	NA	NA	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	29 L	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	660000 K	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	590	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
2-BUTANONE	NA	NA	NA	NA	NA	62 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 UL
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
2-HEXANONE	NA	NA	NA	NA	NA	62 UL
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 UL
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	62 UL
ACETONE	NA	NA	NA	NA	NA	62 UL
BENZENE	NA	NA	NA	NA	NA	6 UL
BROMOBENZENE	NA	NA	NA	NA	NA	6 UL
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMOFORM	NA	NA	NA	NA	NA	6 UL
BROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 UL
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 UL
CHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROFORM	NA	NA	NA	NA	NA	6 UL
CHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
M+P-XYLENES	NA	NA	NA	NA	NA	12 UL
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 UL
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 UL
NAPHTHALENE	NA	NA	NA	NA	NA	6 UL
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
O-XYLENE	NA	NA	NA	NA	NA	6 UL
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
STYRENE	NA	NA	NA	NA	NA	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TOLUENE	NA	NA	NA	NA	NA	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
VINYL ACETATE	NA	NA	NA	NA	NA	6 UL
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	4200 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	4200 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	11000 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	11000 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	4200 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	4200 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	4200 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
2-NITROANILINE	NA	NA	NA	NA	NA	11000 U
2-NITROPHENOL	NA	NA	NA	NA	NA	4200 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	4200 U
3-NITROANILINE	NA	NA	NA	NA	NA	11000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	9700 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	4200 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	4200 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	4200 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	11000 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	11000 U
ACETOPHENONE	NA	NA	NA	NA	NA	4200 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	4200 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	4200 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	4200 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	4200 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
CAPROLACTAM	NA	NA	NA	NA	NA	4200 U
CARBAZOLE	NA	NA	NA	NA	NA	4200 U
DIBENZOFURAN	NA	NA	NA	NA	NA	4200 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	4200 U
ISOPHORONE	NA	NA	NA	NA	NA	4200 U
NITROBENZENE	NA	NA	NA	NA	NA	4200 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	4200 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	4200 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	11000 U
PHENOL	NA	NA	NA	NA	NA	4200 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	4200 U
ACENAPHTHENE	NA	NA	NA	NA	NA	4200 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	4200 U
ANTHRACENE	NA	NA	NA	NA	NA	4200 U
BAP EQUIVALENT-HALFND	9774	17.3	1.6 U	5.91	11.0	4200 U
BAP EQUIVALENT-POS	9774	16.5	1.6 U	5.46	10.1	4200 U
BENZO(A)ANTHRACENE	8600	1.1 U	1.1 U	1.1 U	1.1 U	4200 U
BENZO(A)PYRENE	6900	13	1.6 UJ	5	9.2 J	4200 U
BENZO(B)FLUORANTHENE	7200	14	1.5 UJ	4.925	9.1 J	4200 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	4200 U
BENZO(K)FLUORANTHENE	2600	2 U	2.1 U	2.05 U	2 U	4200 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	8400	1.1 U	1.1 U	1.05 U	1 U	4200 U
DIBENZO(A,H)ANTHRACENE	940	1.5 U	1.6 U	1.55 U	1.5 U	4200 U
FLUORANTHENE	NA	NA	NA	NA	NA	4200 U
FLUORENE	NA	NA	NA	NA	NA	4200 U
INDENO(1,2,3-CD)PYRENE	3200	21	1.8 U	1.75 U	1.7 U	4200 U
NAPHTHALENE	NA	NA	NA	NA	NA	4200 U
PHENANTHRENE	NA	NA	NA	NA	NA	4200 U
PYRENE	NA	NA	NA	NA	NA	510 J
TOTAL PAHS	37840	48	0 U	9.15	18.3	510
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	310 U
AROCLOR-1221	NA	NA	NA	NA	NA	310 U
AROCLOR-1232	NA	NA	NA	NA	NA	310 U
AROCLOR-1242	NA	NA	NA	NA	NA	310 U
AROCLOR-1248	NA	NA	NA	NA	NA	310 U
AROCLOR-1254	NA	NA	NA	NA	NA	310 U
AROCLOR-1260	NA	NA	NA	NA	NA	310 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.8 UL
ARSENIC	NA	NA	NA	NA	NA	0.56 U
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.8 U
CADMIUM	NA	NA	NA	NA	NA	2.8 U
CHROMIUM	NA	NA	NA	NA	NA	18 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	7.5 J
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	23 K
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	8.1 K
SELENIUM	NA	NA	NA	NA	NA	2.8 U
SILVER	NA	NA	NA	NA	NA	2.8 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	38 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	16000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	400
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	153	23.0	386	81.5	6418	1065
BAP EQUIVALENT-POS	153	22.2	386	81.5	6410	1065
BENZO(A)ANTHRACENE	110	8.3	240	59	2900	850
BENZO(A)PYRENE	110	18	270	54	5200	730
BENZO(B)FLUORANTHENE	130	22	350	70	5500	880
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	55	2 U	110	26	2600	380
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110	13	270	64	3500	730
DIBENZO(A,H)ANTHRACENE	13	1.5 U	40	11	16 U	120
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	52	12	160	33	3400	370
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	580	73.3	1440	317	23100	4060
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	55 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	55 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	NA	NA	NA	NA	NA
ACETONE	55 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	3700 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	3700 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	9300 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	9300 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	3700 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	3700 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	3700 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
2-NITROANILINE	9300 U	NA	NA	NA	NA	NA
2-NITROPHENOL	3700 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	3700 U	NA	NA	NA	NA	NA
3-NITROANILINE	9300 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	8600 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	3700 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	3700 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	3700 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	9300 U	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	9300 U	NA	NA	NA	NA	NA
ACETOPHENONE	3700 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	3700 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	3700 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	3700 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	3700 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
CAPROLACTAM	3700 U	NA	NA	NA	NA	NA
CARBAZOLE	3700 U	NA	NA	NA	NA	NA
DIBENZOFURAN	3700 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	3700 U	NA	NA	NA	NA	NA
ISOPHORONE	3700 U	NA	NA	NA	NA	NA
NITROBENZENE	3700 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	3700 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	3700 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	9300 U	NA	NA	NA	NA	NA
PHENOL	3700 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3700 U	NA	NA	NA	NA	NA
ACENAPHTHENE	3700 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	950 J	NA	NA	NA	NA	NA
ANTHRACENE	3700 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	7569	44.9	548	2595	16660	138
BAP EQUIVALENT-POS	7569	44.1	546	2578	16660	138
BENZO(A)ANTHRACENE	2300 J	28	330	1300	8100	70
BENZO(A)PYRENE	5200	35	440	2100	12000	99
BENZO(B)FLUORANTHENE	3000 J	39	430	2000	11000	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	5400	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	4600	13	160	650	4100	41
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	3400 J	15	330	1000	9300	84
DIBENZO(A,H)ANTHRACENE	1400 J	1.5 U	3.6 U	35 U	2000	15
FLUORANTHENE	2100 J	NA	NA	NA	NA	NA
FLUORENE	3700 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3900	23	280	1400	7000	55
NAPHTHALENE	3700 U	NA	NA	NA	NA	NA
PHENANTHRENE	410 J	NA	NA	NA	NA	NA
PYRENE	6200	NA	NA	NA	NA	NA
TOTAL PAHS	38860	153	1970	8450	53500	474
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	270 U	NA	NA	NA	NA	NA
AROCLOR-1221	270 U	NA	NA	NA	NA	NA
AROCLOR-1232	270 U	NA	NA	NA	NA	NA
AROCLOR-1242	270 U	NA	NA	NA	NA	NA
AROCLOR-1248	270 U	NA	NA	NA	NA	NA
AROCLOR-1254	270 U	NA	NA	NA	NA	NA
AROCLOR-1260	270 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.5 UL	NA	NA	NA	NA	NA
ARSENIC	0.62	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.5 U	NA	NA	NA	NA	NA
CADMIUM	2.5 U	NA	NA	NA	NA	NA
CHROMIUM	13 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	4.1	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	23	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.1 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	10	NA	NA	NA	NA	NA
SELENIUM	3.5	NA	NA	NA	NA	NA
SILVER	2.5 UR	NA	NA	NA	NA	NA
THALLIUM	2 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	34 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
2-BUTANONE	NA	NA	NA	72 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	7 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	7 UL	NA	NA
2-HEXANONE	NA	NA	NA	72 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	7 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	7 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	72 UL	NA	NA
ACETONE	NA	NA	NA	72 UL	NA	NA
BENZENE	NA	NA	NA	7 UL	NA	NA
BROMOBENZENE	NA	NA	NA	7 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
BROMOFORM	NA	NA	NA	7 UL	NA	NA
BROMOMETHANE	NA	NA	NA	7 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	7 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	7 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	7 UL	NA	NA
CHLOROETHANE	NA	NA	NA	7 UL	NA	NA
CHLOROFORM	NA	NA	NA	7 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	7 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	7 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	7 UL	NA	NA
M+P-XYLENES	NA	NA	NA	14 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	7 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	7 UL	NA	NA
NAPHTHALENE	NA	NA	NA	7 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	7 UL	NA	NA
O-XYLENE	NA	NA	NA	7 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
STYRENE	NA	NA	NA	7 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TOLUENE	NA	NA	NA	7 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	7 UL	NA	NA
VINYL ACETATE	NA	NA	NA	7 UL	NA	NA
VINYL CHLORIDE	NA	NA	NA	7 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	4800 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	4800 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	12000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	12000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	4800 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	4800 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	4800 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
2-NITROANILINE	NA	NA	NA	12000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	4800 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	4800 U	NA	NA
3-NITROANILINE	NA	NA	NA	12000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	11000 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	4800 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	4800 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	4800 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	12000 U	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	12000 U	NA	NA
ACETOPHENONE	NA	NA	NA	4800 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	4800 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	4800 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	4800 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	4800 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
CAPROLACTAM	NA	NA	NA	4800 U	NA	NA
CARBAZOLE	NA	NA	NA	4800 U	NA	NA
DIBENZOFURAN	NA	NA	NA	4800 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	4800 U	NA	NA
ISOPHORONE	NA	NA	NA	4800 U	NA	NA
NITROBENZENE	NA	NA	NA	4800 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	4800 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	4800 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	12000 U	NA	NA
PHENOL	NA	NA	NA	4800 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	4800 U	NA	NA
ACENAPHTHENE	NA	NA	NA	4800 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	4800 U	NA	NA
ANTHRACENE	NA	NA	NA	4800 U	NA	NA
BAP EQUIVALENT-HALFND	106	66.7	27.2	5545	17.4	1.5 U
BAP EQUIVALENT-POS	106	66.3	26.4	0.53	16.6	1.5 U
BENZO(A)ANTHRACENE	54 J	35.5	17 J	4800 U	17	1.1 U
BENZO(A)PYRENE	76 J	48.5	21 J	4800 U	13	1.5 U
BENZO(B)FLUORANTHENE	85 J	54.5	24 J	4800 U	18	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	4800 U	NA	NA
BENZO(K)FLUORANTHENE	30 J	19.45	8.9 J	4800 U	8.2	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	72 J	46	20 J	530 J	17	1.1 U
DIBENZO(A,H)ANTHRACENE	12 J	6.375	1.5 UJ	4800 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	4800 U	NA	NA
FLUORENE	NA	NA	NA	4800 U	NA	NA
INDENO(1,2,3-CD)PYRENE	40 J	26	12 J	4800 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	4800 U	NA	NA
PHENANTHRENE	NA	NA	NA	4800 U	NA	NA
PYRENE	NA	NA	NA	740 J	NA	NA
TOTAL PAHS	369	235.95	102.9	1270	73.2	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	350 U	NA	NA
AROCLOR-1221	NA	NA	NA	350 U	NA	NA
AROCLOR-1232	NA	NA	NA	350 U	NA	NA
AROCLOR-1242	NA	NA	NA	350 U	NA	NA
AROCLOR-1248	NA	NA	NA	350 U	NA	NA
AROCLOR-1254	NA	NA	NA	350 U	NA	NA
AROCLOR-1260	NA	NA	NA	350 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3.3 UL	NA	NA
ARSENIC	NA	NA	NA	0.94 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3.5	NA	NA
CADMIUM	NA	NA	NA	3.3 U	NA	NA
CHROMIUM	NA	NA	NA	25 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	12 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	36 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.13 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	13 K	NA	NA
SELENIUM	NA	NA	NA	3.3 U	NA	NA
SILVER	NA	NA	NA	3.3 UR	NA	NA
THALLIUM	NA	NA	NA	2.6 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	71 L	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	110000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	140 U	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,1-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,2-DIBROMOETHANE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
2-BUTANONE	NA	NA	65 UL	NA	NA	53 U
2-CHLOROETHYL VINYL ETHER	NA	NA	6 UL	NA	NA	5 U
2-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	5 U
2-HEXANONE	NA	NA	65 UL	NA	NA	53 U
4-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	5 U
4-ISOPROPYLTOLUENE	NA	NA	6 UL	NA	NA	5 U
4-METHYL-2-PENTANONE	NA	NA	65 UL	NA	NA	53 U
ACETONE	NA	NA	65 UL	NA	NA	53 U
BENZENE	NA	NA	6 UL	NA	NA	5 U
BROMOBENZENE	NA	NA	6 UL	NA	NA	5 U
BROMOCHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
BROMODICHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
BROMOFORM	NA	NA	6 UL	NA	NA	5 U
BROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
CARBON DISULFIDE	NA	NA	6 UL	NA	NA	5 U
CARBON TETRACHLORIDE	NA	NA	6 UL	NA	NA	5 U
CHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
CHLORODIBROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
CHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
CHLOROFORM	NA	NA	6 UL	NA	NA	5 U
CHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
CIS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
DIBROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
DICHLORODIFLUOROMETHANE	NA	NA	6 UL	NA	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 UL	NA	NA	5 U
M+P-XYLENES	NA	NA	13 UL	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	6 UL	NA	NA	5 U
METHYLENE CHLORIDE	NA	NA	6 UL	NA	NA	7 J
NAPHTHALENE	NA	NA	6 UL	NA	NA	5 U
N-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
N-PROPYLBENZENE	NA	NA	6 UL	NA	NA	5 U
O-XYLENE	NA	NA	6 UL	NA	NA	5 U
SEC-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
STYRENE	NA	NA	6 UL	NA	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TOLUENE	NA	NA	6 UL	NA	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
TRICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TRICHLOROFLUOROMETHANE	NA	NA	6 UL	NA	NA	5 U
VINYL ACETATE	NA	NA	6 UL	NA	NA	5 U
VINYL CHLORIDE	NA	NA	6 UL	NA	NA	5 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	4400 U	NA	NA	3600 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	4400 U	NA	NA	3600 U
2,4,5-TRICHLOROPHENOL	NA	NA	11000 U	NA	NA	9000 U
2,4,6-TRICHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DICHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DIMETHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DINITROPHENOL	NA	NA	11000 U	NA	NA	9000 U
2,4-DINITROTOLUENE	NA	NA	4400 U	NA	NA	3600 U
2,6-DINITROTOLUENE	NA	NA	4400 U	NA	NA	3600 U
2-CHLORONAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
2-CHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
2-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U
2-NITROPHENOL	NA	NA	4400 U	NA	NA	3600 U
3&4-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
3,3'-DICHLOROBENZIDINE	NA	NA	4400 U	NA	NA	3600 U
3-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	10000 U	NA	NA	8300 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	4400 U	NA	NA	3600 U
4-CHLORO-3-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
4-CHLOROANILINE	NA	NA	4400 U	NA	NA	3600 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	4400 U	NA	NA	3600 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	11000 U	NA	NA	9000 U
ACETOPHENONE	NA	NA	4400 U	NA	NA	3600 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	4400 U	NA	NA	3600 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	4400 U	NA	NA	3600 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	4400 U	NA	NA	3600 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
BUTYL BENZYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
CAPROLACTAM	NA	NA	4400 U	NA	NA	3600 U
CARBAZOLE	NA	NA	4400 U	NA	NA	3600 U
DIBENZOFURAN	NA	NA	4400 U	NA	NA	3600 U
DIETHYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DIMETHYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DI-N-BUTYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DI-N-OCTYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 UJ
HEXACHLOROBENZENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROBUTADIENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROETHANE	NA	NA	4400 U	NA	NA	3600 U
ISOPHORONE	NA	NA	4400 U	NA	NA	3600 U
NITROBENZENE	NA	NA	4400 U	NA	NA	3600 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	4400 U	NA	NA	3600 U
N-NITROSODIPHENYLAMINE	NA	NA	4400 U	NA	NA	3600 U
PENTACHLOROPHENOL	NA	NA	11000 U	NA	NA	9000 U
PHENOL	NA	NA	4400 U	NA	NA	3600 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
ACENAPHTHENE	NA	NA	4400 U	NA	NA	3600 U
ACENAPHTHYLENE	NA	NA	450 J	NA	NA	3600 U
ANTHRACENE	NA	NA	4400 U	NA	NA	3600 U
BAP EQUIVALENT-HALFND	2.74	1.6 U	4207	1.4 U	18.5	3600 U
BAP EQUIVALENT-POS	0.98	1.6 U	2007	1.4 U	17.8	3600 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1300 J	1 U	13	3600 U
BENZO(A)PYRENE	1.6 U	1.6 U	1600 J	1.4 U	13	3600 UJ
BENZO(B)FLUORANTHENE	9.7	1.5 U	1400 J	1.3 U	24	3600 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	1900 J	NA	NA	3600 UJ
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	1500 J	1.8 U	9.4	3600 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	14	1.1 U	1700 J	0.96 U	22	3600 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	4400 U	1.4 U	1.5 U	3600 UJ
FLUORANTHENE	NA	NA	2100 J	NA	NA	3600 U
FLUORENE	NA	NA	4400 U	NA	NA	3600 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1200 J	1.6 U	9.4	3600 UJ
NAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
PHENANTHRENE	NA	NA	4400 U	NA	NA	3600 U
PYRENE	NA	NA	3600 J	NA	NA	3600 U
TOTAL PAHS	23.7	0 U	16750	0 U	90.8	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	320 U	NA	NA	270 U
AROCLOR-1221	NA	NA	320 U	NA	NA	270 U
AROCLOR-1232	NA	NA	320 U	NA	NA	270 U
AROCLOR-1242	NA	NA	320 U	NA	NA	270 U
AROCLOR-1248	NA	NA	320 U	NA	NA	270 U
AROCLOR-1254	NA	NA	320 U	NA	NA	270 U
AROCLOR-1260	NA	NA	320 U	NA	NA	270 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	3 UL	NA	NA	2.6 UR
ARSENIC	NA	NA	0.73 K	NA	NA	0.54 L
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	3.5	NA	NA	2.6 UL
CADMIUM	NA	NA	3 U	NA	NA	2.6 UL
CHROMIUM	NA	NA	18 J	NA	NA	3.1 K
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	9.7 J	NA	NA	2.6 UL
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	75 K	NA	NA	2.8 L
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.12 U	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	15 K	NA	NA	9.6
SELENIUM	NA	NA	3.5	NA	NA	2.6 UL
SILVER	NA	NA	3 UR	NA	NA	2.6 UR
THALLIUM	NA	NA	2.4 U	NA	NA	2.1 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	55 L	NA	NA	26 U
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	330000	NA	NA	11000 U
GASOLINE RANGE ORGANICS	NA	NA	140 U	NA	NA	250
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	33	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	23	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
2-BUTANONE	NA	NA	59 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	6 U	NA	NA	NA
2-HEXANONE	NA	NA	59 U	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	59 U	NA	NA	NA
ACETONE	NA	NA	59 U	NA	NA	NA
BENZENE	NA	NA	6 U	NA	NA	NA
BROMOBENZENE	NA	NA	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 U	NA	NA	NA
BROMOFORM	NA	NA	6 U	NA	NA	NA
BROMOMETHANE	NA	NA	6 U	NA	NA	NA
CARBON DISULFIDE	NA	NA	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 U	NA	NA	NA
CHLOROBENZENE	NA	NA	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 U	NA	NA	NA
CHLOROETHANE	NA	NA	6 U	NA	NA	NA
CHLOROFORM	NA	NA	6 U	NA	NA	NA
CHLOROMETHANE	NA	NA	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
DIBROMOMETHANE	NA	NA	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	8	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	NA	NA	NA
M+P-XYLENES	NA	NA	10 J	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	10 J	NA	NA	NA
NAPHTHALENE	NA	NA	260	NA	NA	NA
N-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	NA	6 U	NA	NA	NA
O-XYLENE	NA	NA	23	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
STYRENE	NA	NA	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	NA	NA	NA
TOLUENE	NA	NA	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
TRICHLOROETHENE	NA	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 U	NA	NA	NA
VINYL ACETATE	NA	NA	6 U	NA	NA	NA
VINYL CHLORIDE	NA	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	4000 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	4000 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	10000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	10000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	4000 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	4000 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	4000 U	NA	NA	NA
2-CHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
2-NITROANILINE	NA	NA	10000 U	NA	NA	NA
2-NITROPHENOL	NA	NA	4000 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	4000 U	NA	NA	NA
3-NITROANILINE	NA	NA	10000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	9300 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	4000 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
4-CHLOROANILINE	NA	NA	4000 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	4000 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	10000 U	NA	NA	NA

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	10000 U	NA	NA	NA
ACETOPHENONE	NA	NA	4000 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	4000 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	4000 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	4000 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	4000 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
CAPROLACTAM	NA	NA	4000 U	NA	NA	NA
CARBAZOLE	NA	NA	4000 U	NA	NA	NA
DIBENZOFURAN	NA	NA	4000 U	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROETHANE	NA	NA	4000 U	NA	NA	NA
ISOPHORONE	NA	NA	4000 U	NA	NA	NA
NITROBENZENE	NA	NA	4000 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	4000 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	4000 U	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	10000 U	NA	NA	NA
PHENOL	NA	NA	4000 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	990 J	NA	NA	NA
ACENAPHTHENE	NA	NA	4000 U	NA	NA	NA
ACENAPHTHYLENE	NA	NA	4000 U	NA	NA	NA
ANTHRACENE	NA	NA	4000 U	NA	NA	NA
BAP EQUIVALENT-HALFND	52.7	1461	4621	17.4	2.60	38.0
BAP EQUIVALENT-POS	51.9	1461	0.64	16.6	0.94	37.3
BENZO(A)ANTHRACENE	58	1300	4000 U	16	1.1 U	30
BENZO(A)PYRENE	40	1000	4000 U	12	1.5 U	29
BENZO(B)FLUORANTHENE	38	1000	4000 U	18	9.4	36
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	4000 U	NA	NA	NA
BENZO(K)FLUORANTHENE	24	450	4000 U	11	2 U	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	61	1300	640 J	1.1 U	1.1 U	21
DIBENZO(A,H)ANTHRACENE	1.5 U	170	4000 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	730 J	NA	NA	NA
FLUORENE	NA	NA	610 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	20	550	4000 U	11	1.8 U	15
NAPHTHALENE	NA	NA	690 J	NA	NA	NA
PHENANTHRENE	NA	NA	1700 J	NA	NA	NA
PYRENE	NA	NA	1200 J	NA	NA	NA
TOTAL PAHS	241	5770	6560	68	9.4	145
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	300 U	NA	NA	NA
AROCLOR-1221	NA	NA	300 U	NA	NA	NA
AROCLOR-1232	NA	NA	300 U	NA	NA	NA
AROCLOR-1242	NA	NA	300 U	NA	NA	NA
AROCLOR-1248	NA	NA	300 U	NA	NA	NA
AROCLOR-1254	NA	NA	300 U	NA	NA	NA
AROCLOR-1260	NA	NA	300 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.8 UL	NA	NA	NA
ARSENIC	NA	NA	4.9	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.8 U	NA	NA	NA
CADMIUM	NA	NA	2.8 U	NA	NA	NA
CHROMIUM	NA	NA	36 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	22	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	14	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	8.6	NA	NA	NA
SELENIUM	NA	NA	2.8 U	NA	NA	NA
SILVER	NA	NA	2.8 UR	NA	NA	NA
THALLIUM	NA	NA	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	28 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	4800	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
2-BUTANONE	NA	53 UL	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	5 UL	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	5 UL	NA	NA	NA	NA
2-HEXANONE	NA	53 UL	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	5 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	5 UL	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	53 UL	NA	NA	NA	NA
ACETONE	NA	53 UL	NA	NA	NA	NA
BENZENE	NA	5 UL	NA	NA	NA	NA
BROMOBENZENE	NA	5 UL	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
BROMOFORM	NA	5 UL	NA	NA	NA	NA
BROMOMETHANE	NA	5 UL	NA	NA	NA	NA
CARBON DISULFIDE	NA	5 UL	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	5 UL	NA	NA	NA	NA
CHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	5 UL	NA	NA	NA	NA
CHLOROETHANE	NA	5 UL	NA	NA	NA	NA
CHLOROFORM	NA	5 UL	NA	NA	NA	NA
CHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
DIBROMOMETHANE	NA	5 UL	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	5 UL	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	5 UL	NA	NA	NA	NA
M+P-XYLENES	NA	11 UL	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	5 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	5 UL	NA	NA	NA	NA
NAPHTHALENE	NA	5 UL	NA	NA	NA	NA
N-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NA	5 UL	NA	NA	NA	NA
O-XYLENE	NA	5 UL	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
STYRENE	NA	5 UL	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TOLUENE	NA	5 UL	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
TRICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	5 UL	NA	NA	NA	NA
VINYL ACETATE	NA	5 UL	NA	NA	NA	NA
VINYL CHLORIDE	NA	5 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	3500 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	3500 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	8800 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	8800 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	3500 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	3500 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	3500 U	NA	NA	NA	NA
2-CHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
2-NITROANILINE	NA	8800 U	NA	NA	NA	NA
2-NITROPHENOL	NA	3500 U	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	3500 UJ	NA	NA	NA	NA
3-NITROANILINE	NA	8800 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	8100 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	3500 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
4-CHLOROANILINE	NA	3500 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	3500 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	8800 U	NA	NA	NA	NA

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	8800 U	NA	NA	NA	NA
ACETOPHENONE	NA	3500 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	3500 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	3500 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	3500 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	3500 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	3500 UJ	NA	NA	NA	NA
CAPROLACTAM	NA	3500 U	NA	NA	NA	NA
CARBAZOLE	NA	3500 U	NA	NA	NA	NA
DIBENZOFURAN	NA	3500 U	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	3500 UJ	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROETHANE	NA	3500 U	NA	NA	NA	NA
ISOPHORONE	NA	3500 U	NA	NA	NA	NA
NITROBENZENE	NA	3500 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	3500 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	3500 U	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	8800 U	NA	NA	NA	NA
PHENOL	NA	3500 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	3500 U	NA	NA	NA	NA
ACENAPHTHENE	NA	470 J	NA	NA	NA	205
ACENAPHTHYLENE	NA	1600 J	NA	NA	NA	187
ANTHRACENE	NA	1300 J	NA	NA	NA	136 J
BAP EQUIVALENT-HALFND	1.5 U	9391	297	158	18.7	340
BAP EQUIVALENT-POS	1.5 U	9391	297	157	18.0	340
BENZO(A)ANTHRACENE	1.1 U	5700 J	230 J	120.5	11 J	157 J
BENZO(A)PYRENE	1.5 U	5800 J	200 J	107	14 J	229
BENZO(B)FLUORANTHENE	1.4 U	5300 J	290 J	155	20 J	151 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	6900 J	NA	NA	NA	263
BENZO(K)FLUORANTHENE	2 U	4400 J	100 J	50.5	2 UJ	176
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	7300 J	210 J	112	14 J	187
DIBENZO(A,H)ANTHRACENE	1.5 U	2000 J	34 J	17.375	1.5 UJ	60 J
FLUORANTHENE	NA	8700	NA	NA	NA	307
FLUORENE	NA	1100 J	NA	NA	NA	192
INDENO(1,2,3-CD)PYRENE	1.7 U	4400 J	98 J	53.35	8.7 J	187
NAPHTHALENE	NA	3500 U	NA	NA	NA	49 J
PHENANTHRENE	NA	9000	NA	NA	NA	539
PYRENE	NA	20000 J	NA	NA	NA	383
TOTAL PAHS	0 U	83970	1162	614.85	67.7	3408
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	260 U	NA	NA	NA	NA
AROCLOR-1221	NA	260 U	NA	NA	NA	NA
AROCLOR-1232	NA	260 U	NA	NA	NA	NA
AROCLOR-1242	NA	260 U	NA	NA	NA	NA
AROCLOR-1248	NA	260 U	NA	NA	NA	NA
AROCLOR-1254	NA	260 U	NA	NA	NA	NA
AROCLOR-1260	NA	260 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3 J	NA	NA	NA	NA
ARSENIC	NA	1.1	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	4.6	NA	NA	NA	NA
CADMIUM	NA	2.6 U	NA	NA	NA	NA
CHROMIUM	NA	21 J	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	9.8 J	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	56 K	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	15 K	NA	NA	NA	NA
SELENIUM	NA	4.4	NA	NA	NA	NA
SILVER	NA	2.6 UR	NA	NA	NA	NA
THALLIUM	NA	2.1 U	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	71	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	110 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	32 J	163 U	NA	NA	163 U	164 U
ACENAPHTHYLENE	375	69 J	NA	NA	68 J	94 J
ANTHRACENE	102 J	163 U	NA	NA	28 J	164 U
BAP EQUIVALENT-HALFND	537	130	2378	1.5 U	165	175
BAP EQUIVALENT-POS	537	130	2378	1.5 U	82.5	175
BENZO(A)ANTHRACENE	217	49 J	1300	1.1 U	44 J	71 J
BENZO(A)PYRENE	368	79 J	1600	1.5 U	67 J	130 J
BENZO(B)FLUORANTHENE	237	43 J	2000	1.4 U	51 J	81 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	448	83 J	NA	NA	78 J	120 J
BENZO(K)FLUORANTHENE	245	61 J	590	2 U	163 U	111 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	264	55 J	1600	1.1 U	55 J	94 J
DIBENZO(A,H)ANTHRACENE	90 J	34 J	330	1.5 U	163 U	20 J
FLUORANTHENE	303	54 J	NA	NA	52 J	86 J
FLUORENE	28 J	163 U	NA	NA	163 U	164 U
INDENO(1,2,3-CD)PYRENE	312	67 J	1100	1.8 U	59 J	89 J
NAPHTHALENE	34 J	163 U	NA	NA	163 U	164 U
PHENANTHRENE	115 J	163 U	NA	NA	90 J	34 J
PYRENE	534	105 J	NA	NA	109 J	212
TOTAL PAHS	3704	699	8520	0 U	701	1142
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	159 U	NA	NA	NA	NA	43 J
ACENAPHTHYLENE	52 J	NA	NA	NA	NA	157 U
ANTHRACENE	165	NA	NA	NA	NA	47 J
BAP EQUIVALENT-HALFND	152	372	13461	44.0	44.7	156
BAP EQUIVALENT-POS	72.3	372	13461	43.3	44.0	77.1
BENZO(A)ANTHRACENE	43 J	180	11000	24	22	65 J
BENZO(A)PYRENE	58 J	270	9300	34	35	60 J
BENZO(B)FLUORANTHENE	48 J	280	11000	43	41	54 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	63 J	NA	NA	NA	NA	51 J
BENZO(K)FLUORANTHENE	52 J	75	4000	14	15	47 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	48 J	260	11000	29	33	62 J
DIBENZO(A,H)ANTHRACENE	159 U	39	1400	1.5 U	1.5 U	157 U
FLUORANTHENE	347	NA	NA	NA	NA	131 J
FLUORENE	80 J	NA	NA	NA	NA	55 J
INDENO(1,2,3-CD)PYRENE	46 J	160	5100	24	25	47 J
NAPHTHALENE	159 U	NA	NA	NA	NA	70 J
PHENANTHRENE	186	NA	NA	NA	NA	218
PYRENE	267	NA	NA	NA	NA	105 J
TOTAL PAHS	1455	1264	52800	168	171	1055
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	68 J	48 J	164 U	161 U	162 U	NA
ACENAPHTHYLENE	156 U	151 U	34 J	161 U	162 U	NA
ANTHRACENE	59 J	37 J	164 U	161 U	162 U	NA
BAP EQUIVALENT-HALFND	135	165	153	161 U	181	3300
BAP EQUIVALENT-POS	135	89.1	61.9	161 U	100	3300
BENZO(A)ANTHRACENE	59 J	76 J	63 J	161 U	91 J	1600
BENZO(A)PYRENE	73 J	70 J	52 J	161 U	79 J	2400
BENZO(B)FLUORANTHENE	53 J	56 J	164 U	161 U	70 J	2400
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	60 J	57 J	43 J	161 U	52 J	NA
BENZO(K)FLUORANTHENE	67 J	64 J	164 U	161 U	72 J	760
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	64 J	83 J	76 J	161 U	101 J	1900
DIBENZO(A,H)ANTHRACENE	44 J	151 U	164 U	161 U	162 U	330
FLUORANTHENE	153 J	149 J	139 J	161 U	180	NA
FLUORENE	84 J	151 U	164 U	161 U	162 U	NA
INDENO(1,2,3-CD)PYRENE	65 J	52 J	35 J	161 U	42 J	1600
NAPHTHALENE	51 J	88 J	62 J	161 U	384	NA
PHENANTHRENE	305	126 J	252	161 U	158 J	NA
PYRENE	134 J	123 J	167	161 U	163	NA
TOTAL PAHS	1339	1029	923	0 U	1392	10990
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	160 U	166 U	162 U	NA	NA
ACENAPHTHYLENE	NA	98 J	60 J	162 U	NA	NA
ANTHRACENE	NA	41 J	166 U	25 J	NA	NA
BAP EQUIVALENT-HALFND	20.4	243	174	166	134	1.6 U
BAP EQUIVALENT-POS	19.6	163	90.9	84.8	134	1.6 U
BENZO(A)ANTHRACENE	11	96 J	50 J	68 J	110	1.2 U
BENZO(A)PYRENE	16	132 J	75 J	68 J	91	1.6 U
BENZO(B)FLUORANTHENE	15	108 J	45 J	47 J	110	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	118 J	80 J	58 J	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	97 J	55 J	65 J	51	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	13	143 J	63 J	69 J	98	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	160 U	166 U	162 U	16	1.6 U
FLUORANTHENE	NA	183	71 J	140 J	NA	NA
FLUORENE	NA	160 U	166 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	9.5	94 J	58 J	46 J	47	1.8 U
NAPHTHALENE	NA	40 J	39 J	37 J	NA	NA
PHENANTHRENE	NA	80 J	53 J	49 J	NA	NA
PYRENE	NA	287	128 J	133 J	NA	NA
TOTAL PAHS	64.5	1517	777	805	523	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14.5	16.0	36.7	7.06	31.5	52.9
BAP EQUIVALENT-POS	13.6	15.2	35.9	0.05	30.7	52.1
BENZO(A)ANTHRACENE	14	10	20	4.5 U	15	23
BENZO(A)PYRENE	11	12	29	6.1 U	25	43
BENZO(B)FLUORANTHENE	12	13	30	5.7 U	24	39
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	13	8 U	11	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	14	10	28	52	23	33
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	6.1 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	8.9	17	7.1 U	17	27
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	53.9	137	52	115	179
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
VOLATILES (CONTINUED) (UG/KG)			
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)			
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA
ACENAPHTHENE	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA
ANTHRACENE	NA	NA	NA
BAP EQUIVALENT-HALFND	32.5	92.3	85.4
BAP EQUIVALENT-POS	31.7	92.3	84.6
BENZO(A)ANTHRACENE	25	54	59
BENZO(A)PYRENE	25	64	67
BENZO(B)FLUORANTHENE	26	82	77
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA
BENZO(K)FLUORANTHENE	12	27	28
C1-CHRYSENES	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA
C1-FLUORENES	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C2-FLUORENES	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE			
C2-NAPHTHALENES	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C3-FLUORENES	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA
CHRYSENE	24	61	56
DIBENZO(A,H)ANTHRACENE	1.6 U	11	1.5 U
FLUORANTHENE	NA	NA	NA
FLUORENE	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	15	34	37
NAPHTHALENE	NA	NA	NA
PHENANTHRENE	NA	NA	NA
PYRENE	NA	NA	NA
TOTAL PAHS	127	333	324
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
METALS (CONTINUED) (MG/KG)			
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.6 U	3.8 U	3.6 U	28	3.8 U	480
2-METHYLNAPHTHALENE	3.6 U	3.8 U	3.6 U	3.6 U	9.3	980
ACENAPHTHENE	3.6 U	3.8 U	31 J	29 J	3.8 U	4500
ACENAPHTHYLENE	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U	70 U
ANTHRACENE	3.6 U	3.8 U	48 J	3.6 U	3.8 U	5900
BAP EQUIVALENT-HALFND	3.6 U	31.3	77.9	39.2	17.9	11308
BAP EQUIVALENT-POS	3.6 U	29.0	75.9	37.2	16.0	11308
BENZO(A)ANTHRACENE	3.6 U	3.8 U	62	44	14	11000
BENZO(A)PYRENE	3.6 U	27 J	61 J	29	11	7400
BENZO(B)FLUORANTHENE	3.6 U	20 J	82 J	36	18 J	10000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.6 U	3.8 U	3.6 U	3.6 U	8.9	4200
BENZO(K)FLUORANTHENE	3.6 U	3.8 U	47 J	17	3.8 U	3800
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C1-FLUORANTHENES/PYRENES	73 U	NA	NA	NA	77 U	NA
C1-FLUORENES	73 U	NA	NA	NA	77 U	NA
C1-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C2-FLUORENES	73 U	NA	NA	NA	77 U	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C2-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C3-FLUORENES	73 U	NA	NA	NA	77 U	NA
C3-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C3-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C4-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C4-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
CHRYSENE	1.2 U	1.3 U	53	34	14	9600
DIBENZO(A,H)ANTHRACENE	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U	1400
FLUORANTHENE	20	26 J	170 J	75 J	27	27000
FLUORENE	3.6 U	3.8 U	33 J	3.6 U	3.8 U	3100
INDENO(1,2,3-CD)PYRENE	3.6 U	3.8 U	3.6 U	3.6 U	18 J	3600
NAPHTHALENE	3.6 U	3.8 U	18	3.6 U	8.1	3100
PHENANTHRENE	3.6 U	3.8 U	120 J	54	20	23000
PYRENE	7 J	12	140	68	24	19000
TOTAL PAHS	27	85	865	386	172.3	137580
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	15	3.9 U	83 U	4 U	4 U	15 U
2-METHYLNAPHTHALENE	11	3.9 U	83 U	4 U	4 U	15 U
ACENAPHTHENE	11	3.9 U	1700	4 U	4 U	34
ACENAPHTHYLENE	3.6 U	3.9 U	83 U	4 U	4 U	15 U
ANTHRACENE	15	3.9 U	4900	4 U	4 U	89
BAP EQUIVALENT-HALFND	45.0	3.9 U	11379	4 U	4 U	460
BAP EQUIVALENT-POS	43.2	3.9 U	11379	4 U	4 U	452
BENZO(A)ANTHRACENE	43	3.9 U	13000	4 U	4 U	400
BENZO(A)PYRENE	31	3.9 U	7400	4 U	4 U	340
BENZO(B)FLUORANTHENE	47 J	3.9 U	11000	4 U	4 U	510
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	22	3.9 U	3500	4 U	4 U	270
BENZO(K)FLUORANTHENE	12	3.9 U	5600	4 U	4 U	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	500 J	80 U	NA	1600 J
C1-FLUORANTHENES/PYRENES	NA	NA	710 J	80 U	NA	2300 J
C1-FLUORENES	NA	NA	85 U	80 U	NA	150 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	290 J	80 U	NA	1300 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	220 J	80 U	NA	780 J
C2-FLUORENES	NA	NA	85 U	80 U	NA	150 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	170 J	80 U	NA	590 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	110 J	80 U	NA	420 J
C3-FLUORENES	NA	NA	85 U	80 U	NA	150 U
C3-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	110 J	80 U	NA	310 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	85 U	80 U	NA	300 J
C4-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	85 U	80 U	NA	150 U
CHRYSENE	34	1.3 U	13000	1.3 U	1.3 U	470
DIBENZO(A,H)ANTHRACENE	3.6 U	3.9 U	1200	4 U	4 U	15 U
FLUORANTHENE	68	3.9 U	37000	4 U	4 U	710
FLUORENE	10	3.9 U	2000	4 U	4 U	15 U
INDENO(1,2,3-CD)PYRENE	30 J	3.9 U	3100	4 U	4 U	190
NAPHTHALENE	84	9.8	83 U	4 U	4 U	15 U
PHENANTHRENE	44	3.9 U	27000	4 U	4 U	320
PYRENE	59	3.9 U	27000	4 U	4 U	880
TOTAL PAHS	521	9.8	157400	0 U	0 U	4393
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	0.63 U	0.46 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	0.57 U	0.42 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	0.35 U	0.25 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	1.3 U	0.97 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	0.37 U	0.27 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	0.53 U	0.39 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	0.31 U	0.22 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	0.39 U	0.28 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	0.92 U	0.67 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	0.17 U	0.13 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	0.28 U	0.2 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	0.66 U	0.49 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	1.3 U	0.97 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	0.51 U	0.37 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	0.37 U	0.27 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	0.35 U	0.25 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	0.7 U	0.51 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	0.36 U	0.26 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	0.35 U	0.25 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	0.67 U	0.49 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	0.96 U	0.7 U
2-BUTANONE	NA	NA	NA	NA	1.4 U	1 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	1.4 U	1 U
2-CHLOROTOLUENE	NA	NA	NA	NA	0.41 U	0.3 U
2-HEXANONE	NA	NA	NA	NA	0.64 U	0.47 U
4-CHLOROTOLUENE	NA	NA	NA	NA	0.42 U	0.31 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	0.21 U	0.16 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	0.55 U	0.4 U
ACETONE	NA	NA	NA	NA	6.4 U	4.7 U
BENZENE	NA	NA	NA	NA	0.23 U	0.17 U
BROMOBENZENE	NA	NA	NA	NA	0.34 U	0.25 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	0.72 U	0.53 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	0.29 U	0.21 U
BROMOFORM	NA	NA	NA	NA	0.34 U	0.25 U
BROMOMETHANE	NA	NA	NA	NA	0.55 U	0.4 U
CARBON DISULFIDE	NA	NA	NA	NA	0.45 U	0.33 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	0.38 U	0.28 U
CHLOROBENZENE	NA	NA	NA	NA	0.34 U	0.25 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	0.56 U	0.41 U
CHLOROETHANE	NA	NA	NA	NA	0.88 U	0.64 U
CHLOROFORM	NA	NA	NA	NA	0.3 U	0.22 U
CHLOROMETHANE	NA	NA	NA	NA	0.42 U	0.31 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	0.37 U	0.27 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	0.35 U	0.25 U
DIBROMOMETHANE	NA	NA	NA	NA	0.64 U	0.47 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	0.51 U	0.37 U
DIISOPROPYL ETHER	NA	NA	NA	NA	1.5 U	1.1 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	0.22 U	0.16 U
ETHYLBENZENE	NA	NA	NA	NA	0.27 U	0.19 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	1.2 U	0.9 U
ISOPROPYLBENZENE	NA	NA	NA	NA	0.16 U	0.12 U
M+P-XYLENES	NA	NA	NA	NA	1.2 U	0.9 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	0.44 U	0.32 U
METHYLENE CHLORIDE	NA	NA	NA	NA	0.68 U	0.5 U
NAPHTHALENE	NA	NA	NA	NA	0.19 U	0.14 U
N-BUTYLBENZENE	NA	NA	NA	NA	0.23 U	0.17 U
N-PROPYLBENZENE	NA	NA	NA	NA	0.41 U	0.3 U
O-XYLENE	NA	NA	NA	NA	0.36 U	0.26 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	0.18 U	0.13 U
STYRENE	NA	NA	NA	NA	0.15 U	0.11 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	0.38 U	0.28 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	0.3 U	0.22 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	7.8 UR	5.7 UR
TETRACHLOROETHENE	NA	NA	NA	NA	0.53 U	0.39 U
TOLUENE	NA	NA	NA	NA	0.28 U	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	0.68 U	0.5 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	0.42 U	0.31 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	0.55 U	0.4 U
TRICHLOROETHENE	NA	NA	NA	NA	0.43 U	0.31 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	0.35 U	0.25 U
VINYL ACETATE	NA	NA	NA	NA	0.26 U	0.19 U
VINYL CHLORIDE	NA	NA	NA	NA	0.4 U	0.29 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	28 U	30 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	23 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	9.9 U	11 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	26 U	28 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	83 U	89 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	21 U	22 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	21 U	22 U
2,4-DINITROPHENOL	NA	NA	NA	NA	83 U	89 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	28 U	30 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	22 U	23 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	3.4 U	3.7 U
2-CHLOROPHENOL	NA	NA	NA	NA	28 UJ	30 U
2-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
2-NITROANILINE	NA	NA	NA	NA	9.5 U	10 U
2-NITROPHENOL	NA	NA	NA	NA	28 U	30 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	19 U	20 U
3-NITROANILINE	NA	NA	NA	NA	17 U	18 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	14 U	14 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	22 U	23 U
4-CHLOROANILINE	NA	NA	NA	NA	18 U	19 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	14 U	14 U
4-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
4-NITROANILINE	NA	NA	NA	NA	27 U	29 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	83 U	89 U
ACETOPHENONE	NA	NA	NA	NA	9.6 U	10 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	9.5 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	12 U	13 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	23 U	25 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	2.1 U	2.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	20 U	21 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	10 U	11 U
CAPROLACTAM	NA	NA	NA	NA	39 U	41 U
CARBAZOLE	NA	NA	NA	NA	28 U	30 U
DIBENZOFURAN	NA	NA	NA	NA	3.4 U	15 J
DIETHYL PHTHALATE	NA	NA	NA	NA	17 U	18 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	18 U	19 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	16 U	17 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROBENZENE	NA	NA	NA	NA	2.2 U	2.3 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROETHANE	NA	NA	NA	NA	9.4 U	10 U
ISOPHORONE	NA	NA	NA	NA	14 U	14 U
NITROBENZENE	NA	NA	NA	NA	2.3 U	2.5 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	17 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	28 U	30 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	22 U	23 U
PENTACHLOROPHENOL	NA	NA	NA	NA	83 U	89 U
PHENOL	NA	NA	NA	NA	28 U	30 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	3.9 U	4 U	51 U	NA	NA
2-METHYLNAPHTHALENE	3.8 U	3.9 U	4 U	110	3.4 U	8.9
ACENAPHTHENE	3.8 U	3.9 U	4 U	1600	11	15
ACENAPHTHYLENE	3.8 U	3.9 U	4 U	51 U	12	12
ANTHRACENE	3.8 U	3.9 U	4 U	6000	26	29
BAP EQUIVALENT-HALFND	3.8 U	5.21015	4 U	8311	130	216
BAP EQUIVALENT-POS	3.8 U	0.9	4 U	8311	130	216
BENZO(A)ANTHRACENE	3.8 U	3.9 U	4 U	7000	86	140
BENZO(A)PYRENE	3.8 U	3.9 U	4 U	5600	77	140
BENZO(B)FLUORANTHENE	3.8 U	9 J	4 U	7300 J	110	190
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	3.9 U	4 U	2900	60	90
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	4 U	2500	46	60
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	80 U	NA	NA	NA	NA
C1-FLUORENES	NA	80 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C2-FLUORENES	NA	80 U	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C3-FLUORENES	NA	80 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	6400	91	150
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	4 U	1000 J	28	35
FLUORANTHENE	3.8 U	9.9	15	19000	180	370
FLUORENE	3.8 U	3.9 U	4 U	2000	10	16
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	4 U	2500 J	49	75
NAPHTHALENE	3.8 U	3.9 U	4 U	51 U	3.4 U	11
PHENANTHRENE	3.8 U	3.9 U	17	17000	96	290
PYRENE	3.8 U	9.2	11	13000	150	320
TOTAL PAHS	0 U	28.1	43	93910	1032	1951.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	3.2 U	3.5 U
4,4'-DDE	NA	NA	NA	NA	2 U	7.8 J
4,4'-DDT	NA	NA	NA	NA	3.3 U	3.5 U
ALDRIN	NA	NA	NA	NA	6.2 U	6.7 U
ALPHA-BHC	NA	NA	NA	NA	3.8 U	4.1 U
ALPHA-CHLORDANE	NA	NA	NA	NA	4.9 U	5.2 U
AROCLOR-1016	NA	NA	NA	NA	22 U	23 U
AROCLOR-1221	NA	NA	NA	NA	17 U	18 U
AROCLOR-1232	NA	NA	NA	NA	15 U	16 U
AROCLOR-1242	NA	NA	NA	NA	14 U	14 U
AROCLOR-1248	NA	NA	NA	NA	18 U	19 U
AROCLOR-1254	NA	NA	NA	NA	18 U	19 U
AROCLOR-1260	NA	NA	NA	NA	18 U	19 U
BETA-BHC	NA	NA	NA	NA	5.7 U	9.1 J
DELTA-BHC	NA	NA	NA	NA	6.2 U	6.7 U
DIELDRIN	NA	NA	NA	NA	2.4 U	2.6 U
ENDOSULFAN I	NA	NA	NA	NA	2.7 U	2.9 U
ENDOSULFAN II	NA	NA	NA	NA	4.3 U	4.6 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	4.5 U	4.8 U
ENDRIN	NA	NA	NA	NA	2.6 U	2.8 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	5.2 U	5.6 U
ENDRIN KETONE	NA	NA	NA	NA	3.3 U	3.5 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	3.9 U	4.1 U
GAMMA-CHLORDANE	NA	NA	NA	NA	2.2 U	2.3 U
HEPTACHLOR	NA	NA	NA	NA	5.7 U	6.1 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	4.2 U	4.5 U
METHOXYCHLOR	NA	NA	NA	NA	7.8 U	8.4 U
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	99 U	110 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	0.15 J	0.25 B
ARSENIC	NA	NA	NA	NA	2.2 J	2.4 J
BARIUM	NA	NA	NA	NA	40.7	17.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	0.28	0.28
CADMIUM	NA	NA	NA	NA	0.24 K	0.11 K
CHROMIUM	NA	NA	NA	NA	9 J	9.1 J
COBALT	NA	NA	NA	NA	2 J	3.2 J
COPPER	NA	NA	NA	NA	6 J	9 J
IRON	NA	NA	NA	NA	7620 J	6110 J
LEAD	NA	NA	NA	NA	45.5	25.1
MANGANESE	NA	NA	NA	NA	102	30.8
MERCURY	NA	NA	NA	NA	0.08 J	0.077 J
MOLYBDENUM	NA	NA	NA	NA	0.45	0.38
NICKEL	NA	NA	NA	NA	5.1 J	5.2 J
SELENIUM	NA	NA	NA	NA	0.4 J	0.46 J
SILVER	NA	NA	NA	NA	0.099 J	0.097 J
THALLIUM	NA	NA	NA	NA	0.042 B	0.069 B
VANADIUM	NA	NA	NA	NA	14.2 J	15.7 J
ZINC	NA	NA	NA	NA	23.4 J	27.8 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	26000	18000 B
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	48 U	51 U
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	0.28 U	0.3 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.71 U	0.56 U	0.57 U	0.54 U	0.51 U
1,1,1-TRICHLOROETHANE	0.51 U	0.64 U	0.51 U	0.51 U	0.49 U	0.46 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.5 U	1.2 U	1.2 U	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.6 U	0.47 U	0.48 U	0.45 U	0.43 U
1,1-DICHLOROPROPENE	0.28 U	0.34 U	0.27 U	0.27 U	0.26 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.44 U	0.34 U	0.35 U	0.33 U	0.31 U
1,2,3-TRICHLOROPROPANE	0.83 U	1 U	0.81 U	0.82 U	0.79 U	0.74 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.2 U	0.15 U	0.16 U	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.31 U	0.24 U	0.25 U	0.24 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.75 U	0.59 U	0.6 U	0.57 U	0.53 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.5 U	1.2 U	1.2 U	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.57 U	0.45 U	0.46 U	0.44 U	0.41 U
1,2-DICHLOROBENZENE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,2-DICHLOROPROPANE	0.63 U	0.79 U	0.62 U	0.63 U	0.6 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.4 U	0.32 U	0.32 U	0.31 U	0.29 U
1,3-DICHLOROPROPANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.76 U	0.6 U	0.6 U	0.58 U	0.54 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	1.1 U	0.85 U	0.86 U	0.82 U	0.77 U
2-BUTANONE	1.3 U	1.6 U	2.1 B	2.8 B	1.6 J	6 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.6 U	1.3 U	1.3 U	1.2 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.46 U	0.36 U	0.37 U	0.35 U	0.33 U
2-HEXANONE	0.58 U	0.72 U	0.57 U	0.58 U	0.55 U	0.52 U
4-CHLOROTOLUENE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
4-ISOPROPYLTOLUENE	0.19 U	0.24 U	0.19 U	0.19 U	0.18 U	0.17 U
4-METHYL-2-PENTANONE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
ACETONE	5.8 U	18 B	21 B	17 B	440 J	210 B
BENZENE	0.21 U	0.26 U	0.72 J	0.21 U	0.2 U	0.19 U
BROMOBENZENE	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
BROMOCHLOROMETHANE	0.65 U	0.81 U	0.64 U	0.65 U	0.62 U	0.58 U
BROMODICHLOROMETHANE	0.26 U	0.32 U	0.25 U	0.26 U	0.24 U	0.23 U
BROMOFORM	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
BROMOMETHANE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
CARBON DISULFIDE	0.4 U	0.5 U	2.2 B	1 B	0.65 J	0.82 J
CARBON TETRACHLORIDE	0.34 U	0.42 U	0.33 U	0.34 U	0.32 U	0.3 U
CHLOROBENZENE	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
CHLORODIBROMOMETHANE	0.5 U	0.63 U	0.5 U	0.5 U	0.48 U	0.45 U
CHLOROETHANE	0.79 U	0.99 U	0.78 U	0.79 U	0.75 U	0.71 U
CHLOROFORM	0.27 U	0.33 U	0.26 U	0.27 U	0.25 U	0.24 U
CHLOROMETHANE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
DIBROMOMETHANE	0.58 U	0.72 U	0.57 U	0.58 U	0.55 U	0.52 U
DICHLORODIFLUOROMETHANE	0.46 U	0.57 U	0.45 U	0.46 U	0.44 U	0.41 U
DIISOPROPYL ETHER	1.4 U	1.7 U	1.4 U	1.4 U	1.3 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.25 U	0.2 U	0.2 U	0.19 U	0.18 U
ETHYLBENZENE	0.24 U	0.3 U	0.23 U	0.24 U	0.23 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.4 U	1.1 U	1.1 U	1 U	0.99 U
ISOPROPYLBENZENE	0.15 U	0.18 U	0.14 U	0.15 U	0.14 U	0.13 U
M+P-XYLENES	1.1 U	1.4 U	1.1 U	1.1 U	1 U	0.99 U
METHYL TERT-BUTYL ETHER	0.39 U	0.49 U	0.39 U	0.39 U	0.38 UJ	0.35 UJ
METHYLENE CHLORIDE	0.61 U	1.5 B	3.9 B	2.8 B	0.59 U	0.55 U
NAPHTHALENE	0.17 U	1.1 B	2.2 B	1.7 B	0.17 U	0.16 U
N-BUTYLBENZENE	0.21 U	0.26 U	0.21 U	0.21 U	0.2 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.46 U	0.36 U	0.37 U	0.35 U	0.33 U
O-XYLENE	0.32 U	0.4 U	0.32 U	0.32 U	0.31 U	0.29 U
SEC-BUTYLBENZENE	0.17 U	0.21 U	0.16 U	0.16 U	0.16 U	0.15 U
STYRENE	0.14 U	0.17 U	0.14 U	0.14 U	0.13 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 U	0.42 U	0.33 U	0.34 U	0.32 U	0.3 U
TERT-BUTYLBENZENE	0.27 U	0.33 U	0.26 U	0.27 U	0.25 U	0.24 U
TERTIARY-BUTYL ALCOHOL	7 UR	61 B	49 B	48 B	6.6 UR	6.3 UR
TETRACHLOROETHENE	0.48 U	0.6 U	0.47 U	0.48 U	0.45 U	0.43 U
TOLUENE	0.25 U	0.31 U	0.24 U	0.25 U	0.24 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.77 U	0.61 U	0.61 U	0.59 U	0.55 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
TRICHLOROETHENE	0.39 U	0.48 U	0.38 U	0.38 U	0.37 U	0.35 U
TRICHLOROFLUOROMETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
VINYL ACETATE	0.23 U	0.29 U	0.23 U	0.23 U	0.22 U	0.21 U
VINYL CHLORIDE	0.36 U	0.45 U	0.35 U	0.36 U	0.34 U	0.32 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	30 U	29 UL	32 U	31 U	29 U	29 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	24 U	24 UL	26 U	26 U	23 U	24 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 UL	11 U	11 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	28 U	27 U	30 U	29 U	27 U	27 U
2,4,6-TRICHLOROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2,4-DICHLOROPHENOL	22 U	22 U	24 U	23 U	21 U	21 U
2,4-DIMETHYLPHENOL	22 U	22 U	24 U	23 U	21 U	21 U
2,4-DINITROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2,4-DINITROTOLUENE	30 U	29 UL	32 U	31 U	29 U	29 U
2,6-DINITROTOLUENE	23 U	23 UL	25 U	24 U	22 U	22 U
2-CHLORONAPHTHALENE	3.6 U	3.6 UL	3.9 U	3.8 U	3.5 U	3.5 U
2-CHLOROPHENOL	30 U	29 U	32 U	31 U	29 U	29 U
2-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2-NITROANILINE	10 U	9.8 UL	11 U	11 U	9.7 U	9.7 U
2-NITROPHENOL	30 U	29 U	32 U	31 U	29 U	29 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	20 U	19 UL	21 U	21 U	19 U	19 U
3-NITROANILINE	18 U	17 UL	19 U	19 U	17 U	17 U
4,6-DINITRO-2-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
4-BROMOPHENYL PHENYL ETHER	14 U	14 UL	15 U	15 U	14 U	14 U
4-CHLORO-3-METHYLPHENOL	23 U	23 U	25 U	24 U	22 U	22 U
4-CHLOROANILINE	19 U	18 UL	20 U	20 U	18 U	18 U
4-CHLOROPHENYL PHENYL ETHER	14 U	14 UL	15 U	15 U	14 U	14 U
4-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
4-NITROANILINE	29 U	28 UL	31 U	30 U	28 U	28 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
ACETOPHENONE	10 U	10 UL	11 U	11 U	9.8 U	9.8 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	10 U	9.8 UL	11 U	11 U	9.7 U	9.7 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	13 U	13 UL	14 U	14 U	13 U	13 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	24 U	24 UL	26 U	26 U	23 U	24 U
BIS(2-CHLOROETHYL)ETHER	2.2 U	2.2 UL	2.4 U	2.3 U	2.1 U	2.1 U
BIS(2-ETHYLHEXYL)PHTHALATE	21 U	21 UL	23 U	22 U	20 J	20 U
BUTYL BENZYL PHTHALATE	11 U	11 UL	12 U	12 U	11 U	11 U
CAPROLACTAM	41 U	40 UL	44 U	43 U	39 U	40 U
CARBAZOLE	30 U	29 UL	62	31 U	29 U	29 U
DIBENZOFURAN	3.6 U	3.6 UL	34 J	3.8 U	11 J	3.5 U
DIETHYL PHTHALATE	18 U	17 UL	19 U	19 U	17 U	17 U
DIMETHYL PHTHALATE	19 U	18 UL	20 U	20 U	18 U	18 U
DI-N-BUTYL PHTHALATE	17 U	16 UL	18 U	17 U	16 U	16 U
DI-N-OCTYL PHTHALATE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROBENZENE	2.3 U	2.3 UL	2.5 U	2.4 U	2.2 U	2.2 U
HEXACHLOROBUTADIENE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROCYCLOPENTADIENE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROETHANE	9.9 U	9.7 UL	11 U	10 U	9.6 U	9.6 U
ISOPHORONE	14 U	14 UL	15 U	15 U	14 U	14 U
NITROBENZENE	2.4 U	2.4 UL	2.6 U	2.6 U	2.3 U	2.4 U
N-NITROSODIMETHYLAMINE	18 U	17 UL	19 U	19 U	17 U	17 U
N-NITROSO-DI-N-PROPYLAMINE	30 U	29 UL	32 U	31 U	29 U	29 U
N-NITROSODIPHENYLAMINE	23 U	23 UL	25 U	24 U	22 U	22 U
PENTACHLOROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
PHENOL	30 U	29 U	32 U	31 U	29 U	29 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.6 U	3.6 UL	27	3.8 U	10	3.5 U
ACENAPHTHENE	3.6 U	3.6 UL	100	11	16	3.5 U
ACENAPHTHYLENE	3.6 U	3.6 UL	10	3.8 U	3.5 U	3.5 U
ANTHRACENE	3.6 U	3.6 UL	190	20	20	3.5 U
BAP EQUIVALENT-HALFND	40	3.6 U	574	72.4	105	22.2
BAP EQUIVALENT-POS	39	3.6 U	574	72.4	105	20.3
BENZO(A)ANTHRACENE	27	3.6 UL	520	49	53	3.5 U
BENZO(A)PYRENE	30	3.6 UL	380	40	63	17
BENZO(B)FLUORANTHENE	40	3.6 UL	440	58	83	15
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	24	3.6 UL	210	26	36	3.5 U
BENZO(K)FLUORANTHENE	13	3.6 UL	220	22	29	3.5 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	32	1.2 UL	480	44	62	1.2 U
DIBENZO(A,H)ANTHRACENE	3.6 U	3.6 UL	76	19	24	3.5 U
FLUORANTHENE	60	3.6 UL	890	93	110	14
FLUORENE	3.6 U	3.6 UL	93	9.8	18	3.5 U
INDENO(1,2,3-CD)PYRENE	17	3.6 UL	190	24	45	18
NAPHTHALENE	3.6 U	3.6 UL	85	3.8 U	19	3.5 U
PHENANTHRENE	20	3.6 UL	630	53	87	3.5 U
PYRENE	65	3.6 UL	850	73	93	14
TOTAL PAHS	328	0 U	5391	541.8	768	78
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.68 UJ	6.7 U	15 U	0.72 U	1.3 UJ	0.66 UJ
4,4'-DDE	1.5 J	4.2 UJ	9.3 U	0.45 UJ	0.83 U	0.42 U
4,4'-DDT	0.7 U	6.8 U	15 U	0.73 U	1.3 UJ	0.67 U
ALDRIN	1.3 UJ	13 U	29 U	1.4 U	2.6 U	1.3 U
ALPHA-BHC	0.81 UJ	7.9 UJ	17 UJ	0.85 UJ	1.6 U	0.78 U
ALPHA-CHLORDANE	1 UJ	10 UJ	22 U	1.1 UJ	2 U	1 U
AROCLOR-1016	23 U	23 U	25 U	24 U	22 U	22 U
AROCLOR-1221	18 U	17 U	19 U	19 U	17 U	17 U
AROCLOR-1232	15 U	15 U	17 U	16 U	15 U	15 U
AROCLOR-1242	14 U	14 U	15 U	15 U	14 U	14 U
AROCLOR-1248	19 U	18 U	20 U	20 U	18 U	18 U
AROCLOR-1254	19 U	18 U	20 U	20 U	18 U	18 U
AROCLOR-1260	19 U	18 U	20 U	20 U	18 U	18 U
BETA-BHC	1.2 UJ	12 UJ	26 UJ	1.3 UJ	6.4 J	1.2 U
DELTA-BHC	1.3 UJ	13 UJ	29 U	1.4 UJ	2.6 U	1.3 U
DIELDRIN	0.52 UJ	5.1 UJ	11 U	0.54 UJ	1 U	0.5 U
ENDOSULFAN I	0.57 UJ	5.6 UJ	12 U	0.6 UJ	1.1 U	0.56 U
ENDOSULFAN II	0.91 UJ	8.9 U	19 U	0.95 U	1.7 U	0.88 U
ENDOSULFAN SULFATE	0.96 UJ	9.4 U	21 U	1 U	1.9 U	0.93 U
ENDRIN	0.55 UJ	5.4 UJ	12 U	0.58 UJ	1.1 UJ	0.53 UJ
ENDRIN ALDEHYDE	1.1 U	11 U	24 U	1.2 U	2.1 U	1.1 U
ENDRIN KETONE	0.7 U	6.8 U	15 U	0.73 U	1.3 U	0.67 U
GAMMA-BHC (LINDANE)	0.82 UJ	8 UJ	18 UJ	0.86 UJ	1.6 U	0.79 U
GAMMA-CHLORDANE	0.46 UJ	4.5 UJ	10 U	0.49 UJ	0.89 U	0.45 U
HEPTACHLOR	1.2 UJ	12 UJ	26 UJ	1.3 UJ	2.3 UJ	1.2 UJ
HEPTACHLOR EPOXIDE	0.88 UJ	8.7 UJ	19 UJ	0.93 UJ	1.7 U	0.85 U
METHOXYCHLOR	1.7 U	16 U	36 U	1.7 U	3.2 UJ	1.6 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	21 U	210 U	450 U	22 U	40 U	20 U
METALS (MG/KG)						
ANTIMONY	0.076 B	0.063 J	0.24 J	0.19 J	0.034 J	0.056 J
ARSENIC	2.8 J	1.6	6	5.3	0.95	1.7
BARIUM	17	4.1 J	37.1 J	30.7 J	6.8	17.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.19	0.065 J	2	1.9	0.087 J	0.2
CADMIUM	0.046 B	0.0084 UL	0.11 J	0.4 L	0.0083 UL	0.024 B
CHROMIUM	8.5 J	14.2	20.8	18.6	12.4	11.3
COBALT	6.4 J	0.65	8.9	27.5	1.5	1.8
COPPER	6.7 J	5.1 J	22.4 J	21.6 J	4.2 L	9.6 L
IRON	5100 J	6620 J	25400 J	21500 J	5460	4680
LEAD	16.4	1.1 J	26.5 J	21.4 J	2.2	7.8
MANGANESE	24.9	9.4 J	102 J	70.5 J	28.6	10.8
MERCURY	0.05 J	0.016 U	0.25 K	0.48 K	0.016 U	0.019 J
MOLYBDENUM	0.33	0.4	0.56	0.45	0.23	0.31
NICKEL	5.6 J	0.84 J	20.7 J	40.6 J	3.3	3.1
SELENIUM	0.51 J	0.25 J	3.1 L	2.3 L	0.16 J	0.58 J
SILVER	0.023 J	0.017 U	0.38	0.28 K	0.017 U	0.025 B
THALLIUM	0.07 B	0.014 UL	0.034 J	0.054 J	0.014 U	0.067 B
VANADIUM	15.1 J	18.7	34.2	29.2	12.1	17.4
ZINC	15.5 J	3.3 J	48.5 J	139 J	4.8 J	11.8 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	8600 J	9700 J	520000	59000	24000	9700 J
GASOLINE RANGE ORGANICS	51 U	50 U	71 J	53 U	49 U	49 U
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	1.3	0.52 J	0.32 U	0.31 U	0.53 J	0.57 J

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.64 U	0.57 U	0.52 U	0.5 U	0.53 U
1,1,1-TRICHLOROETHANE	0.52 U	0.58 U	0.52 U	0.47 U	0.45 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.3 U	1.2 U	1.1 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.54 U	0.48 U	0.44 U	0.42 U	0.44 U
1,1-DICHLOROPROPENE	0.28 U	0.31 U	0.28 U	0.25 U	0.24 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.39 U	0.35 U	0.32 U	0.31 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.93 U	0.83 U	0.76 U	0.72 U	0.76 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.18 U	0.16 U	0.14 U	0.14 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.28 U	0.25 U	0.23 U	0.22 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.67 U	0.6 U	0.55 U	0.52 U	0.55 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.3 U	1.2 U	1.1 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.52 U	0.46 U	0.42 U	0.4 U	0.42 U
1,2-DICHLOROBENZENE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,2-DICHLOROPROPANE	0.64 U	0.71 U	0.64 U	0.58 U	0.55 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
1,3-DICHLOROPROPANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.68 U	0.61 U	0.56 U	0.53 U	0.56 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.97 U	0.87 U	0.79 U	0.76 U	0.8 U
2-BUTANONE	1.3 U	1.7 J	7.6 J	12	1.1 U	17
2-CHLOROETHYL VINYL ETHER	1.3 U	1.5 U	1.3 U	1.2 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.41 U	0.37 U	0.34 U	0.32 U	0.34 U
2-HEXANONE	0.58 U	0.65 U	0.58 U	0.53 U	0.51 U	0.53 U
4-CHLOROTOLUENE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
4-ISOPROPYLTOLUENE	0.19 U	0.22 U	0.19 U	0.18 U	0.17 U	0.18 U
4-METHYL-2-PENTANONE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
ACETONE	110	14 B	43 B	130 B	21 B	96 B
BENZENE	0.21 U	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
BROMOBENZENE	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
BROMOCHLOROMETHANE	0.65 U	0.74 U	0.66 U	0.6 U	0.57 U	0.6 U
BROMODICHLOROMETHANE	0.26 U	0.29 U	0.26 U	0.24 U	0.23 U	0.24 U
BROMOFORM	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
BROMOMETHANE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
CARBON DISULFIDE	0.41 U	0.65 J	1.4 B	1.7 B	1.1 B	1.9 B
CARBON TETRACHLORIDE	0.34 U	0.38 U	0.34 U	0.31 U	0.3 U	0.31 U
CHLOROBENZENE	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
CHLORODIBROMOMETHANE	0.51 U	0.57 U	0.51 U	0.47 U	0.44 U	0.47 U
CHLOROETHANE	0.79 U	0.89 U	0.8 U	0.73 U	0.69 U	0.73 U
CHLOROFORM	0.27 U	0.3 U	0.27 U	0.25 U	0.23 U	0.25 U
CHLOROMETHANE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
DIBROMOMETHANE	0.58 U	0.65 U	0.58 U	0.53 U	0.51 U	0.53 U
DICHLORODIFLUOROMETHANE	0.46 U	0.52 U	0.46 U	0.42 U	0.4 U	0.42 U
DIISOPROPYL ETHER	1.4 U	1.6 U	1.4 U	1.3 U	1.2 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.23 U	0.2 U	0.19 U	0.18 U	0.19 U
ETHYLBENZENE	0.24 U	0.27 U	0.24 U	0.22 U	0.21 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.2 U	1.1 U	1 U	0.96 U	1 U
ISOPROPYLBENZENE	0.15 U	0.17 U	0.15 U	0.14 U	0.13 U	0.14 U
M+P-XYLENES	1.1 U	1.2 U	1.1 U	1 U	0.96 U	1 U
METHYL TERT-BUTYL ETHER	0.4 U	0.45 U	0.4 UJ	0.36 UJ	0.35 UJ	0.36 UJ
METHYLENE CHLORIDE	0.62 U	0.69 U	0.72 B	1 B	0.54 U	2.1 B
NAPHTHALENE	0.18 U	0.2 U	0.85 B	2.2 B	0.15 U	0.78 B
N-BUTYLBENZENE	0.21 U	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.41 U	0.37 U	0.34 U	0.32 U	0.34 U
O-XYLENE	0.32 U	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
SEC-BUTYLBENZENE	0.17 U	0.19 U	0.17 U	0.15 U	0.14 U	0.15 U
STYRENE	0.14 U	0.16 U	0.14 U	0.13 U	0.12 U	0.13 U
TERT-AMYL METHYL ETHER	0.34 U	0.38 U	0.34 U	0.31 U	0.3 UJ	0.31 UJ
TERT-BUTYLBENZENE	0.27 U	0.3 U	0.27 U	0.25 U	0.23 U	0.25 U
TERTIARY-BUTYL ALCOHOL	7 UR	7.9 UR	49 B	46 B	6.1 UR	46 B
TETRACHLOROETHENE	0.48 U	0.54 U	0.48 U	0.44 U	0.42 U	0.44 U
TOLUENE	0.25 U	0.28 U	0.38 J	0.23 U	0.22 U	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.69 U	0.62 U	0.57 U	0.54 U	0.57 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
TRICHLOROETHENE	0.39 U	0.44 U	0.39 U	0.36 U	0.34 U	0.36 U
TRICHLOROFLUOROMETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.85 J	0.29 U
VINYL ACETATE	0.23 U	0.26 U	0.23 U	0.21 U	0.2 U	0.21 U
VINYL CHLORIDE	0.36 U	0.4 U	0.36 U	0.33 U	0.31 U	0.33 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	29 U	29 U	29 U	31 U	42 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	24 U	23 U	24 U	25 U	34 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	11 U	15 U	11 U
2,4,5-TRICHLOROPHENOL	27 U	26 U	27 U	29 U	39 U	29 U
2,4,6-TRICHLOROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2,4-DICHLOROPHENOL	21 U	21 U	22 U	23 U	31 U	23 U
2,4-DIMETHYLPHENOL	21 U	21 U	22 U	23 U	31 U	23 U
2,4-DINITROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2,4-DINITROTOLUENE	29 U	29 U	29 U	31 U	42 U	31 U
2,6-DINITROTOLUENE	23 U	22 U	23 U	24 U	33 U	24 U
2-CHLORONAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
2-CHLOROPHENOL	29 U	29 U	29 U	31 U	42 U	31 U
2-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2-NITROANILINE	9.8 U	9.6 U	9.8 U	10 U	14 U	10 U
2-NITROPHENOL	29 U	29 U	29 U	31 U	42 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	19 U	19 U	19 U	21 U	28 U	21 U
3-NITROANILINE	17 U	17 U	17 U	18 U	25 U	18 U
4,6-DINITRO-2-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
4-BROMOPHENYL PHENYL ETHER	14 U	14 U	14 U	15 U	20 U	15 U
4-CHLORO-3-METHYLPHENOL	23 U	22 U	23 U	24 U	33 U	24 U
4-CHLOROANILINE	18 U	18 U	18 U	19 U	26 U	19 U
4-CHLOROPHENYL PHENYL ETHER	14 U	14 U	14 U	15 U	20 U	15 U
4-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
4-NITROANILINE	28 U	27 U	28 U	30 U	40 U	30 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
ACETOPHENONE	9.9 U	9.7 U	9.9 U	11 U	14 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	9.8 U	9.6 U	9.8 U	10 U	14 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	13 U	13 U	13 U	14 U	19 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	24 U	23 U	24 U	25 U	34 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.1 U	2.1 U	2.2 U	2.3 U	3.1 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	20 U	20 U	20 U	22 U	29 U	22 U
BUTYL BENZYL PHTHALATE	11 U	11 U	11 U	11 U	15 U	11 U
CAPROLACTAM	40 U	39 U	40 U	42 U	57 U	42 U
CARBAZOLE	29 U	29 U	29 U	31 U	120	31 U
DIBENZOFURAN	3.5 U	3.5 U	3.6 U	3.8 U	110	3.8 U
DIETHYL PHTHALATE	17 U	17 U	17 U	18 U	25 U	18 U
DIMETHYL PHTHALATE	18 U	18 U	18 U	19 U	26 U	19 U
DI-N-BUTYL PHTHALATE	16 U	16 U	16 U	17 U	23 U	17 U
DI-N-OCTYL PHTHALATE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROBENZENE	2.3 U	2.2 U	2.3 U	2.4 U	3.3 U	2.4 U
HEXACHLOROBUTADIENE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROCYCLOPENTADIENE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROETHANE	9.6 U	9.5 U	9.7 U	10 U	14 U	10 U
ISOPHORONE	14 U	14 U	14 U	15 U	20 U	15 U
NITROBENZENE	2.4 U	2.3 U	2.4 U	2.5 U	3.4 U	2.5 U
N-NITROSODIMETHYLAMINE	17 U	17 U	17 U	18 U	25 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	29 U	29 U	29 U	31 U	42 U	31 U
N-NITROSODIPHENYLAMINE	23 U	22 U	23 U	24 U	33 U	24 U
PENTACHLOROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
PHENOL	29 U	29 U	29 U	31 U	42 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	69	3.8 U
ACENAPHTHENE	3.5 U	3.5 U	3.6 U	3.8 U	160	3.8 U
ACENAPHTHYLENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
ANTHRACENE	3.5 U	3.5 U	3.6 U	3.8 U	460	3.8 U
BAP EQUIVALENT-HALFND	18.5	3.5 U	4.2	16.8	714	38.9
BAP EQUIVALENT-POS	16.4	3.5 U	0.01	14.9	711	37.0
BENZO(A)ANTHRACENE	3.5 U	3.5 U	3.6 U	12	740	16
BENZO(A)PYRENE	15	3.5 U	3.6 U	11	540	29
BENZO(B)FLUORANTHENE	14	3.5 U	3.6 U	17	650	33
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.5 U	3.5 U	3.6 U	10	310	17
BENZO(K)FLUORANTHENE	3.5 U	3.5 U	3.6 U	11	370	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	7.2	15	640	26
DIBENZO(A,H)ANTHRACENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
FLUORANTHENE	8.5	8.4	8.4	20	1700	36
FLUORENE	3.5 U	3.5 U	3.6 U	3.8 U	210	3.8 U
INDENO(1,2,3-CD)PYRENE	3.5 U	3.5 U	3.6 U	8.7	280	29
NAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	82	3.8 U
PHENANTHRENE	3.5 U	3.5 U	3.6 U	12	1600	27
PYRENE	9.6	8.2	8	16	1200	37
TOTAL PAHS	47.1	16.6	23.6	132.7	9011	263
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.66 U	0.66 U	1.3 U	3.5 U	4 J	3.5 UJ
4,4'-DDE	0.42 U	0.41 U	0.84 U	2.2 U	7.1 J	2.2 UJ
4,4'-DDT	0.68 U	0.67 U	1.4 U	3.6 U	3.7 U	3.6 U
ALDRIN	1.3 U	1.3 U	2.6 U	6.9 U	7 U	6.9 UJ
ALPHA-BHC	0.78 U	0.77 U	1.6 U	4.2 UJ	4.3 UJ	4.2 UJ
ALPHA-CHLORDANE	1 U	0.99 U	2 U	5.4 U	5.5 U	5.4 UJ
AROCLOR-1016	23 U	22 U	23 U	24 U	24 U	24 U
AROCLOR-1221	17 U	17 U	17 U	18 U	19 U	18 U
AROCLOR-1232	15 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1242	14 U	14 U	14 U	15 U	15 U	15 U
AROCLOR-1248	18 U	18 U	18 U	19 U	20 U	19 U
AROCLOR-1254	18 U	18 U	18 U	19 U	20 U	19 U
AROCLOR-1260	18 U	18 U	18 U	19 U	20 J	19 U
BETA-BHC	1.2 U	1.2 U	2.4 U	6.3 U	6.4 U	6.3 UJ
DELTA-BHC	1.3 U	1.3 U	2.6 U	6.9 U	7 U	6.9 UJ
DIELDRIN	0.5 U	0.5 U	1 U	2.7 U	2.7 U	2.7 U
ENDOSULFAN I	0.56 U	0.55 U	1.1 U	3 U	3 U	3 U
ENDOSULFAN II	0.88 U	0.87 U	1.8 U	4.7 U	4.8 U	4.7 U
ENDOSULFAN SULFATE	0.93 U	0.92 U	1.9 U	5 U	5.1 U	5 U
ENDRIN	0.54 U	0.53 U	1.1 U	2.9 U	2.9 U	2.9 U
ENDRIN ALDEHYDE	1.1 U	1.1 U	2.2 U	5.7 U	5.8 U	5.7 U
ENDRIN KETONE	0.68 U	0.67 U	1.4 U	3.6 U	3.7 U	3.6 U
GAMMA-BHC (LINDANE)	0.79 UJ	0.78 U	1.6 U	4.2 U	4.3 U	4.2 UJ
GAMMA-CHLORDANE	0.45 U	0.44 U	0.9 U	2.4 U	2.4 U	2.4 UJ
HEPTACHLOR	1.2 U	1.2 UJ	2.4 UJ	6.3 UJ	6.4 U	6.3 U
HEPTACHLOR EPOXIDE	0.86 U	0.85 U	1.7 U	4.6 U	4.7 U	4.6 UJ
METHOXYCHLOR	1.6 UJ	1.6 UJ	3.2 UJ	8.6 UJ	8.7 U	8.6 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	20	0 U
TOXAPHENE	20 U	20 U	41 U	110 U	110 U	110 U
METALS (MG/KG)						
ANTIMONY	0.026 U	0.025 UL	0.11 B	0.2 B	0.41 J	0.085 B
ARSENIC	0.71	0.72 L	2.3 L	4.5 L	4.3 J	2.6 J
BARIUM	3.7	3.9	23.6	27.4	54.4	12.6

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.05 U	0.055 J	0.59 J	1.5 J	1.6 J	0.15 J
CADMIUM	0.0084 UL	0.0082 UL	0.081 B	0.094 B	0.27 B	0.011 B
CHROMIUM	8.2	8.6	11.6	21.6	16.2 J	26.2 J
COBALT	0.52	0.5	4	7.7	14.1 J	1.4 J
COPPER	2.9	3.2	9.4	21.5	33.6 J	4.5 J
IRON	3870	4450	9890	21500	20200 J	10200 J
LEAD	0.98	1.1	9.8	15.8	56.2	2
MANGANESE	14	9.4 J	124 J	39.3 J	183 J	15.6 J
MERCURY	0.016 U	0.016 U	0.17	0.069 J	1.7	0.091 J
MOLYBDENUM	0.14 J	0.14 B	0.5	0.45	0.52	0.26
NICKEL	0.64	0.76	7.7	15	21.3 J	2.7 J
SELENIUM	0.16 J	0.11 J	0.61 L	1.7 L	1.2 L	0.29 J
SILVER	0.017 U	0.017 U	0.18	0.24 K	1.4	0.018 U
THALLIUM	0.014 U	0.014 U	0.038 J	0.053 J	0.094 B	0.015 U
VANADIUM	10.9	12.2	16.6	43.3	25.8 J	19.4 J
ZINC	2.9	3.1 B	28.4	49	119 L	5.4 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	33000	11000	36000	40000	39000	34000
GASOLINE RANGE ORGANICS	49 U	49 U	49 U	53 U	54 U	53 UJ
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.8 J	0.54 J	0.32 J	0.62 J	0.31 U	0.31 U

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	0.46 U
1,1,1-TRICHLOROETHANE	0.42 U
1,1,2,2-TETRACHLOROETHANE	0.25 U
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.96 U
1,1-DICHLOROETHANE	0.27 U
1,1-DICHLOROETHENE	0.39 U
1,1-DICHLOROPROPENE	0.22 U
1,2,3-TRICHLOROBENZENE	0.28 U
1,2,3-TRICHLOROPROPANE	0.67 U
1,2,3-TRIMETHYLBENZENE	0.13 U
1,2,4-TRICHLOROBENZENE	0.2 U
1,2,4-TRIMETHYLBENZENE	0.48 U
1,2-DIBROMO-3-CHLOROPROPANE	0.96 U
1,2-DIBROMOETHANE	0.37 U
1,2-DICHLOROBENZENE	0.27 U
1,2-DICHLOROETHANE	0.25 U
1,2-DICHLOROPROPANE	0.51 U
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	0.26 U
1,3-DICHLOROPROPANE	0.25 U
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	0.49 U
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	0.7 U
2-BUTANONE	2.2 J
2-CHLOROETHYL VINYL ETHER	1 U
2-CHLOROTOLUENE	0.3 U
2-HEXANONE	0.47 U
4-CHLOROTOLUENE	0.3 U
4-ISOPROPYLTOLUENE	0.16 U
4-METHYL-2-PENTANONE	0.4 U
ACETONE	17 B
BENZENE	0.17 U
BROMOBENZENE	0.24 U
BROMOCHLOROMETHANE	0.53 U
BROMODICHLOROMETHANE	0.21 U
BROMOFORM	0.24 U
BROMOMETHANE	0.4 U
CARBON DISULFIDE	0.73 B
CARBON TETRACHLORIDE	0.27 U
CHLOROBENZENE	0.24 U
CHLORODIBROMOMETHANE	0.41 U
CHLOROETHANE	0.64 U
CHLOROFORM	0.21 U
CHLOROMETHANE	0.3 U
CIS-1,2-DICHLOROETHENE	0.27 U
CIS-1,3-DICHLOROPROPENE	0.25 U
DIBROMOMETHANE	0.47 U
DICHLORODIFLUOROMETHANE	0.37 U
DIISOPROPYL ETHER	1.1 U
ETHYL TERT-BUTYL ETHER	0.16 U
ETHYLBENZENE	0.19 U
FLUORODICHLOROMETHANE	NA

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	0.89 U
ISOPROPYLBENZENE	0.12 U
M+P-XYLENES	0.89 U
METHYL TERT-BUTYL ETHER	0.32 UJ
METHYLENE CHLORIDE	0.82 B
NAPHTHALENE	0.71 B
N-BUTYLBENZENE	0.17 U
N-PROPYLBENZENE	0.3 U
O-XYLENE	0.26 U
SEC-BUTYLBENZENE	0.13 U
STYRENE	0.11 U
TERT-AMYL METHYL ETHER	0.27 U
TERT-BUTYLBENZENE	0.21 U
TERTIARY-BUTYL ALCOHOL	5.6 UR
TETRACHLOROETHENE	0.39 U
TOLUENE	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	0.5 U
TRANS-1,2-DICHLOROETHENE	0.3 U
TRANS-1,3-DICHLOROPROPENE	0.4 U
TRICHLOROETHENE	0.31 U
TRICHLOROFLUOROMETHANE	0.25 U
VINYL ACETATE	0.19 U
VINYL CHLORIDE	0.29 U
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	32 U
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U
2,4,5-TRICHLOROPHENOL	30 U
2,4,6-TRICHLOROPHENOL	96 U
2,4-DICHLOROPHENOL	24 U
2,4-DIMETHYLPHENOL	24 U
2,4-DINITROPHENOL	96 U
2,4-DINITROTOLUENE	32 U
2,6-DINITROTOLUENE	25 U
2-CHLORONAPHTHALENE	3.9 U
2-CHLOROPHENOL	32 U
2-METHYLPHENOL	96 U
2-NITROANILINE	11 U
2-NITROPHENOL	32 U
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	22 U
3-NITROANILINE	19 U
4,6-DINITRO-2-METHYLPHENOL	96 U
4-BROMOPHENYL PHENYL ETHER	16 U
4-CHLORO-3-METHYLPHENOL	25 U
4-CHLOROANILINE	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U
4-METHYLPHENOL	96 U
4-NITROANILINE	31 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	96 U
ACETOPHENONE	11 U
ANILINE	NA
ATRAZINE	11 U
AZOBENZENE	NA
BENZALDEHYDE	14 U
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U
BUTYL BENZYL PHTHALATE	12 U
CAPROLACTAM	44 U
CARBAZOLE	32 U
DIBENZOFURAN	3.9 U
DIETHYL PHTHALATE	19 U
DIMETHYL PHTHALATE	20 U
DI-N-BUTYL PHTHALATE	18 U
DI-N-OCTYL PHTHALATE	32 U
HEXACHLOROBENZENE	2.5 U
HEXACHLOROBUTADIENE	32 U
HEXACHLOROCYCLOPENTADIENE	32 U
HEXACHLOROETHANE	11 U
ISOPHORONE	16 U
NITROBENZENE	2.6 U
N-NITROSODIMETHYLAMINE	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U
N-NITROSODIPHENYLAMINE	25 U
PENTACHLOROPHENOL	96 U
PHENOL	32 U
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	10
ACENAPHTHENE	13
ACENAPHTHYLENE	3.9 U
ANTHRACENE	15
BAP EQUIVALENT-HALFND	79.2
BAP EQUIVALENT-POS	77.3
BENZO(A)ANTHRACENE	49
BENZO(A)PYRENE	60
BENZO(B)FLUORANTHENE	74
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	40
BENZO(K)FLUORANTHENE	31
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	59
DIBENZO(A,H)ANTHRACENE	3.9 U
FLUORANTHENE	96
FLUORENE	12
INDENO(1,2,3-CD)PYRENE	46
NAPHTHALENE	18
PHENANTHRENE	60
PYRENE	81
TOTAL PAHS	664
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	0.74 U
4,4'-DDE	0.47 U
4,4'-DDT	0.75 U
ALDRIN	1.4 U
ALPHA-BHC	0.87 U
ALPHA-CHLORDANE	1.1 U
AROCLOR-1016	25 U
AROCLOR-1221	19 U
AROCLOR-1232	17 U
AROCLOR-1242	16 U
AROCLOR-1248	20 U
AROCLOR-1254	20 U
AROCLOR-1260	20 U
BETA-BHC	1.3 U
DELTA-BHC	1.4 U
DIELDRIN	0.56 U
ENDOSULFAN I	0.62 U
ENDOSULFAN II	0.98 U
ENDOSULFAN SULFATE	1 U
ENDRIN	0.6 U
ENDRIN ALDEHYDE	1.2 U
ENDRIN KETONE	0.75 U
GAMMA-BHC (LINDANE)	0.88 U
GAMMA-CHLORDANE	0.5 U
HEPTACHLOR	1.3 U
HEPTACHLOR EPOXIDE	0.96 U
METHOXYCHLOR	1.8 U
TOTAL AROCLOR	0 U
TOXAPHENE	23 U
METALS (MG/KG)	
ANTIMONY	0.37 J
ARSENIC	4.9
BARIUM	34.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	2.1
CADMIUM	0.053 J
CHROMIUM	19.3
COBALT	10.9
COPPER	26.6
IRON	22900
LEAD	29.8
MANGANESE	80.2
MERCURY	0.56
MOLYBDENUM	0.61
NICKEL	24.6
SELENIUM	2.2
SILVER	0.35
THALLIUM	0.078 U
VANADIUM	28.8
ZINC	46.1
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	64000
GASOLINE RANGE ORGANICS	55 U
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	0.36 J

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031	SB-032	SB-033	SB-057	SB-057
SAMPLE ID				SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2
SAMPLE DATE				20040913	20040924	20040917	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SB
TOP DEPTH				0	0	0	1	2
BOTTOM DEPTH				0	0	0	1	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5 U	6 UL	5 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	5 U	6 UL	5 U	NA	NA
2-BUTANONE	4700000	2800000	N	55 U	55 UL	54 U	NA	NA
ACETONE	7000000	6100000	N	55 U	55 UL	54 U	NA	NA
BENZENE	12000	1100	C	5 U	6 UL	5 U	NA	NA
CARBON DISULFIDE	780000	82000	N	5 U	6 UL	5 U	NA	NA
ETHYLBENZENE	780000	5400	C	5 U	6 UL	5 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	11 UL	10 J	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 U	6 UL	8 J	NA	NA
NAPHTHALENE	160000	3600	C	5 U	6 UL	5 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	5 U	6 UL	5 U	NA	NA
TOLUENE	630000	500000	N	5 U	6 UL	5 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5 U	6 UL	5 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	370 U	3700 U	3600 U	NA	NA
CARBAZOLE	32000	NC		370 U	3700 U	3600 U	NA	NA
DIBENZOFURAN	7800	7800	N	370 U	3700 U	3600 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		370 U	3700 U	3600 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	370 U	3700 U	3600 U	NA	NA
ACENAPHTHENE	470000	340000	N	370 U	3700 U	3600 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	370 U	3700 U	3600 U	NA	NA
ANTHRACENE	2300000	1700000	N	370 U	3700 U	3600 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	370 U	3700 U	3600 U	**20.4**	1.5 U
BAP EQUIVALENT-POS	22.0	15.0	C	370 U	3700 U	3600 U	**19.6**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	370 U	3700 U	3600 U	13	1.1 U
BENZO(A)PYRENE	22	15	C	370 U	3700 U	3600 UJ	14	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	370 U	3700 U	3600 UJ	22	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	370 U	3700 U	3600 UJ	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	370 U	3700 U	3600 UJ	9.2	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	370 U	3700 U	3600 U	18	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	370 U	3700 U	3600 UJ	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	370 U	3700 U	3600 U	NA	NA
FLUORENE	310000	230000	N	370 U	3700 U	3600 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	370 U	3700 U	3600 UJ	20	1.7 U
NAPHTHALENE	160000	3600	C	370 U	3700 U	3600 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	370 U	3700 U	3600 U	NA	NA
PYRENE	230000	170000	N	37 J	3700 U	3600 U	NA	NA
TOTAL PAHS	NC	NC		37	0 U	0 U	96.2	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	270 U	270 U	270 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031	SB-032	SB-033	SB-057	SB-057
SAMPLE ID				SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2
SAMPLE DATE				20040913	20040924	20040917	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SB
TOP DEPTH				0	0	0	1	2
BOTTOM DEPTH				0	0	0	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.6 UR	2.4 UL	2.4 UR	NA	NA
ARSENIC	0.43	0.39	C	**1.8 L**	0.48 U	**1 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.6 U	2.4 U	2.4 UL	NA	NA
CADMIUM	3.9	7	N	2.6 UL	2.4 U	2.4 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	7.9 L	14 J	7.1 K	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	7.4	15 J	34 L	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		2.8 J	13 K	12 L	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 UL	0.096 U	0.098 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	3.6 K	14 K	25	NA	NA
SELENIUM	39	39	N	2.6 UL	2.5	2.4 UL	NA	NA
SILVER	39	39	N	2.6 UR	2.4 UR	2.4 UR	NA	NA
THALLIUM	0.55	NC		2.1 UL	1.9 U	2 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	26 UL	24 UL	24 U	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		11000 U	**1800000**	11000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	1100	3200	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-2-AVG 20090917 AVG SO NORMAL SB 2 2	SB-057 F-SB-57RE-2-D 20090917 DUP SO NORMAL SB 2 2	SB-057 SB-57-SS 20040913 NORMAL SO NORMAL SS 0 0	SB-058 F-SB-58RE-1 20090917 NORMAL SO NORMAL SB 1 1	SB-058 F-SB-58RE-2 20090917 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	7 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	7 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	67 U	NA	NA
ACETONE	7000000	6100000	N	NA	NA	67 U	NA	NA
BENZENE	12000	1100	C	NA	NA	7 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	7 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	7 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	13 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	7 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	7 U	NA	NA
TOLUENE	630000	500000	N	NA	NA	7 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	7 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	450 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	450 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	450 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	450 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	450 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	450 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	450 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	450 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	1.5 U	1.5 U	**520**	**715**	**8596**
BAP EQUIVALENT-POS	22.0	15.0	C	1.5 U	1.5 U	0.06	**714**	**8591**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	450 U	**380**	**5200**
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	450 U	**560**	**6900**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	450 U	**780**	**7400**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	450 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	1.9 U	450 U	290	**3600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1 U	60 J	530	4600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	450 U	1.7 U	11 U
FLUORANTHENE	310000	230000	N	NA	NA	98 J	NA	NA
FLUORENE	310000	230000	N	NA	NA	450 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	450 U	**350**	**3900**
NAPHTHALENE	160000	3600	C	NA	NA	450 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	54 J	NA	NA
PYRENE	230000	170000	N	NA	NA	94 J	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	306	2890	31600
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	53 U	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	53 U	NA	NA
AROCLOR-1260	320	220	C	NA	NA	330 U	NA	NA
BETA-BHC	350	270	C	NA	NA	53 U	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057	SB-057	SB-057	SB-058	SB-058
SAMPLE ID				F-SB-57RE-2-AVG	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2
SAMPLE DATE				20090917	20090917	20040913	20090917	20090917
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				2	2	0	1	2
BOTTOM DEPTH				2	2	0	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	3.1 UR	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	**2.2 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	3.1 U	NA	NA
CADMIUM	3.9	7	N	NA	NA	3.1 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	11 L	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	7.5	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	8.6 J	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.13 UL	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	7.4	NA	NA
SELENIUM	39	39	N	NA	NA	3.1 UL	NA	NA
SILVER	39	39	N	NA	NA	3.1 UR	NA	NA
THALLIUM	0.55	NC		NA	NA	2.5 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	31 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	14000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	130 U	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 SB-58-SS 20040913 NORMAL SO NORMAL SS 0 0	SB-058A F-SB-58REA-2 20091103 ORIG SO NORMAL SB 2 2	SB-058A F-SB-58REA-2-AVG 20091103 AVG SO NORMAL SB 2 2	SB-058A F-SB-58REA-2-D 20091103 DUP SO NORMAL SB 2 2	SB-058B F-SB-58REB-2 20091103 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	5 U	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	53 U	NA	NA	NA	NA
ACETONE	7000000	6100000	N	53 U	NA	NA	NA	NA
BENZENE	12000	1100	C	5 U	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5 U	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	5 U	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	5 U	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	5 U	NA	NA	NA	NA
TOLUENE	630000	500000	N	5 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	3600 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		3600 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	3600 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		2000 J	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3600 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	3600 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	3600 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	3600 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	3600 U	**33.9**	**121**	**209**	**3019**
BAP EQUIVALENT-POS	22.0	15.0	C	3600 U	**33.2**	**121**	**209**	**3019**
BENZO(A)ANTHRACENE	220	150	C	3600 U	23 J	71.5	120 J	**1700**
BENZO(A)PYRENE	22	15	C	3600 U	**23 J**	**76.5**	**130 J**	**2000**
BENZO(B)FLUORANTHENE	220	150	C	3600 U	56 J	123	**190 J**	**2300**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3600 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3600 U	16 J	37	58 J	740
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3600 U	37 J	78.5	120 J	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	3600 U	1.5 UJ	**19.875**	**39 J**	**480**
FLUORANTHENE	310000	230000	N	630 J	NA	NA	NA	NA
FLUORENE	310000	230000	N	3600 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3600 U	21 J	51	81 J	**1300**
NAPHTHALENE	160000	3600	C	3600 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	3600 U	NA	NA	NA	NA
PYRENE	230000	170000	N	540 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1170	176	457	738	10220
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	42 U	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	42 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	260 U	NA	NA	NA	NA
BETA-BHC	350	270	C	42 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058** **SB-58-SS** **20040913** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-058A** **F-SB-58REA-2** **20091103** **ORIG** **SO** **NORMAL** **SB** **2** **2**	**SB-058A** **F-SB-58REA-2-AVG** **20091103** **AVG** **SO** **NORMAL** **SB** **2** **2**	**SB-058A** **F-SB-58REA-2-D** **20091103** **DUP** **SO** **NORMAL** **SB** **2** **2**	**SB-058B** **F-SB-58REB-2** **20091103** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	2.6 UR	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.5 L**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.6 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.6 UL	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	24 L	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	9.4	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		41 J	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.1 UL	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	8.4	NA	NA	NA	NA
SELENIUM	39	39	N	2.6 UL	NA	NA	NA	NA
SILVER	39	39	N	2.6 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.1 UL	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	43 J	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		100000 L	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C F-SB-58REC-2 20091103 NORMAL SO NORMAL SB 2 2	SB-058D F-SB-58RED-2 20091103 NORMAL SO NORMAL SB 2 2	SB-059 SB-59-SS 20040923 NORMAL SO NORMAL SS 0 0	SB-060 D-SB-60RE-1 20090915 NORMAL SO NORMAL SB 1 1	SB-060 D-SB-60RE-2 20090915 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	5 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	5 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	52 U	NA	NA
ACETONE	7000000	6100000	N	NA	NA	52 U	NA	NA
BENZENE	12000	1100	C	NA	NA	5 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	5 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	5 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	10 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 J	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	5 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	5 U	NA	NA
TOLUENE	630000	500000	N	NA	NA	5 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	5 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	3500 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	3500 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	3500 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	3500 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	3500 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	3500 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	3500 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	3500 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**6424**	**131**	3500 U	**22517**	**46.1**
BAP EQUIVALENT-POS	22.0	15.0	C	**6424**	**131**	3500 U	**22517**	**45.3**
BENZO(A)ANTHRACENE	220	150	C	**4300**	55	3500 U	**23000**	42
BENZO(A)PYRENE	22	15	C	**4300**	**79**	3500 U	**16000**	**35**
BENZO(B)FLUORANTHENE	220	150	C	**5800**	110	3500 U	**16000**	42
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	3500 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	**2000**	28	3500 U	**6300**	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3900	58	3500 U	**24000**	43
DIBENZO(A,H)ANTHRACENE	22	15	C	**850**	**29**	3500 U	**1900**	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	3500 U	NA	NA
FLUORENE	310000	230000	N	NA	NA	3500 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**2400**	58	3500 U	**6300**	17
NAPHTHALENE	160000	3600	C	NA	NA	3500 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	3500 U	NA	NA
PYRENE	230000	170000	N	NA	NA	3500 U	NA	NA
TOTAL PAHS	NC	NC		23550	417	0 U	93500	199
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	260 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C	SB-058D	SB-059	SB-060	SB-060
SAMPLE ID				F-SB-58REC-2	F-SB-58RED-2	SB-59-SS	D-SB-60RE-1	D-SB-60RE-2
SAMPLE DATE				20091103	20091103	20040923	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				2	2	0	1	2
BOTTOM DEPTH				2	2	0	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	2.5 UL	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	**1.7**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	2.5 U	NA	NA
CADMIUM	3.9	7	N	NA	NA	2.5 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	9.4 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	4.8	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	5.1	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.099 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	5.6	NA	NA
SELENIUM	39	39	N	NA	NA	2.5 U	NA	NA
SILVER	39	39	N	NA	NA	2.5 UR	NA	NA
THALLIUM	0.55	NC		NA	NA	2 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	25 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	21000	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	1400	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060** **SB-60-SS** **20040924** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-060A** **D-SB-60REA-1** **20091012** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-060B** **D-SB-60REB-1** **20091013** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-060C** **D-SB-60REC-1** **20091013** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-060D** **D-SB-60RED-1** **20091013** **NORMAL** **SO** **NORMAL** **SB** **1** **1**
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	56 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	56 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	3800 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		3800 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	3800 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		3800 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3800 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	3800 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	3800 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	3800 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**4243**	**17997**	**23.7**	**646**	**9774**
BAP EQUIVALENT-POS	22.0	15.0	C	**43.7**	**17997**	**22.9**	**646**	**9774**
BENZO(A)ANTHRACENE	220	150	C	**430 J**	**15000**	16	**490**	**8600**
BENZO(A)PYRENE	22	15	C	3800 U	**13000**	**18**	**450**	**6900**
BENZO(B)FLUORANTHENE	220	150	C	3800 U	**12000**	20	**560**	**7200**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3800 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3800 U	**4300**	9.5	210	**2600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	650 J	14000	18	440	8400
DIBENZO(A,H)ANTHRACENE	22	15	C	3800 U	**1700**	1.6 U	**66**	**940**
FLUORANTHENE	310000	230000	N	980 J	NA	NA	NA	NA
FLUORENE	310000	230000	N	3800 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3800 U	**5400**	12	**220**	**3200**
NAPHTHALENE	160000	3600	C	3800 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	610 J	NA	NA	NA	NA
PYRENE	230000	170000	N	1800 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4470	65400	93.5	2436	37840
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	280 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060	SB-060A	SB-060B	SB-060C	SB-060D
SAMPLE ID				SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1	D-SB-60RED-1
SAMPLE DATE				20040924	20091012	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	1	1	1	1
BOTTOM DEPTH				0	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.62 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	13 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	20 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		22 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	16 K	NA	NA	NA	NA
SELENIUM	39	39	N	2.7 U	NA	NA	NA	NA
SILVER	39	39	N	2.7 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	29 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**660000 K**	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		590	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061 D-SB-61RE-1 20090916 NORMAL SO NORMAL SB 1 1	SB-061 D-SB-61RE-2 20090916 ORIG SO NORMAL SB 2 2	SB-061 D-SB-61RE-2-AVG 20090916 AVG SO NORMAL SB 2 2	SB-061 D-SB-61RE-2-D 20090916 DUP SO NORMAL SB 2 2	SB-061 SB-61-SS 20040924 NORMAL SO NORMAL SS 0 0
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	6 UL
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	62 UL
ACETONE	7000000	6100000	N	NA	NA	NA	NA	62 UL
BENZENE	12000	1100	C	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	6 UL
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	6 UL
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	12 UL
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	6 UL
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	6 UL
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	6 UL
TOLUENE	630000	500000	N	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	4200 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	4200 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	4200 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	4200 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	4200 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	4200 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	4200 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	4200 U
BAP EQUIVALENT-HALFND	22.0	15.0	C	**17.3**	1.6 U	5.91	11.01	4200 U
BAP EQUIVALENT-POS	22.0	15.0	C	**16.5**	1.6 U	5.46	10.11	4200 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	4200 U
BENZO(A)PYRENE	22	15	C	13	1.6 UJ	5	9.2 J	4200 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.5 UJ	4.925	9.1 J	4200 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	4200 U
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	2.05 U	2 U	4200 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.05 U	1 U	4200 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.55 U	1.5 U	4200 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	4200 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	4200 U
INDENO(1,2,3-CD)PYRENE	220	150	C	21	1.8 U	1.75 U	1.7 U	4200 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	4200 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	4200 U
PYRENE	230000	170000	N	NA	NA	NA	NA	510 J
TOTAL PAHS	NC	NC		48	0 U	9.15	18.3	510
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	310 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE				20090916	20090916	20090916	20090916	20040924
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	2	2	2	0
BOTTOM DEPTH				1	2	2	2	0
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	2.8 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	0.56 U
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	2.8 U
CADMIUM	3.9	7	N	NA	NA	NA	NA	2.8 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	18 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	7.5 J
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	23 K
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	8.1 K
SELENIUM	39	39	N	NA	NA	NA	NA	2.8 U
SILVER	39	39	N	NA	NA	NA	NA	2.8 UR
THALLIUM	0.55	NC		NA	NA	NA	NA	2.2 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	38 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	16000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	400
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A D-SB-61REA-1 20091012 NORMAL SO NORMAL SB 1 1	SB-061B D-SB-61REB-1 20091012 NORMAL SO NORMAL SB 1 1	SB-061C D-SB-61REC-1 20091012 NORMAL SO NORMAL SB 1 1	SB-061D D-SB-61RED-1 20091012 NORMAL SO NORMAL SB 1 1	SB-062 D-SB-62RE-1 20090914 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**153**	**23.0**	**386**	**81.5**	**6418**
BAP EQUIVALENT-POS	22.0	15.0	C	**153**	**22.2**	**386**	**81.5**	**6410**
BENZO(A)ANTHRACENE	220	150	C	110	8.3	**240**	59	**2900**
BENZO(A)PYRENE	22	15	C	**110**	**18**	**270**	**54**	**5200**
BENZO(B)FLUORANTHENE	220	150	C	130	22	**350**	70	**5500**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	55	2 U	110	26	**2600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	110	13	270	64	3500
DIBENZO(A,H)ANTHRACENE	22	15	C	13	1.5 U	**40**	11	16 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	52	12	**160**	33	**3400**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		580	73.3	1440	317	23100
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061B	SB-061C	SB-061D	SB-062
SAMPLE ID				D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1
SAMPLE DATE				20091012	20091012	20091012	20091012	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062	SB-062	SB-062A	SB-062B	SB-062C
SAMPLE ID				D-SB-62RE-2	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1
SAMPLE DATE				20090914	20040923	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	1	1	1
BOTTOM DEPTH				2	0	1	1	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	55 U	NA	NA	NA
ACETONE	7000000	6100000	N	NA	55 U	NA	NA	NA
BENZENE	12000	1100	C	NA	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	6 U	NA	NA	NA
TOLUENE	630000	500000	N	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	3700 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	3700 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	3700 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	3700 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	3700 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	3700 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	950 J	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	3700 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**1065**	**7569**	**44.9**	**548**	**2595**
BAP EQUIVALENT-POS	22.0	15.0	C	**1065**	**7569**	**44.1**	**546**	**2578**
BENZO(A)ANTHRACENE	220	150	C	**850**	**2300 J**	28	**330**	**1300**
BENZO(A)PYRENE	22	15	C	**730**	**5200**	**35**	**440**	**2100**
BENZO(B)FLUORANTHENE	220	150	C	**880**	**3000 J**	39	**430**	**2000**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	5400	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380	**4600**	13	160	650
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	730	3400 J	15	330	1000
DIBENZO(A,H)ANTHRACENE	22	15	C	**120**	**1400 J**	1.5 U	3.6 U	35 U
FLUORANTHENE	310000	230000	N	NA	2100 J	NA	NA	NA
FLUORENE	310000	230000	N	NA	3700 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**370**	**3900**	23	**280**	**1400**
NAPHTHALENE	160000	3600	C	NA	3700 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	410 J	NA	NA	NA
PYRENE	230000	170000	N	NA	6200	NA	NA	NA
TOTAL PAHS	NC	NC		4060	38860	153	1970	8450
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	270 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062	SB-062	SB-062A	SB-062B	SB-062C
SAMPLE ID				D-SB-62RE-2	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1
SAMPLE DATE				20090914	20040923	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	1	1	1
BOTTOM DEPTH				2	0	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.5 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**0.62**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.5 U	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.5 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	13 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	4.1	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	23	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.1 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	10	NA	NA	NA
SELENIUM	39	39	N	NA	3.5	NA	NA	NA
SILVER	39	39	N	NA	2.5 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	34 J	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D	SB-063	SB-063	SB-063	SB-063
SAMPLE ID				D-SB-62RED-1	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D
SAMPLE DATE				20091014	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	2	2
BOTTOM DEPTH				1	1	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**16660**	**138**	**106**	**66.7**	**27.2**
BAP EQUIVALENT-POS	22.0	15.0	C	**16660**	**138**	**106**	**66.3**	**26.4**
BENZO(A)ANTHRACENE	220	150	C	**8100**	70	54 J	35.5	17 J
BENZO(A)PYRENE	22	15	C	**12000**	**99**	**76 J**	**48.5**	**21 J**
BENZO(B)FLUORANTHENE	220	150	C	**11000**	110	85 J	54.5	24 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	**4100**	41	30 J	19.45	8.9 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	9300	84	72 J	46	20 J
DIBENZO(A,H)ANTHRACENE	22	15	C	**2000**	15	12 J	6.375	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**7000**	55	40 J	26	12 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		53500	474	369	235.95	102.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D	SB-063	SB-063	SB-063	SB-063
SAMPLE ID				D-SB-62RED-1	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D
SAMPLE DATE				20091014	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	2	2
BOTTOM DEPTH				1	1	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063A	SB-063B	SB-063C	SB-063D
SAMPLE ID				SB-63-SS	D-SB-63REA-2	D-SB-63REB-2	D-SB-63REC-2	D-SB-63RED-2
SAMPLE DATE				20040924	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	2	2	2	2
BOTTOM DEPTH				0	2	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	7 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	7 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	72 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	72 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	7 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	7 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	7 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	14 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	7 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	7 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	7 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	7 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	7 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	4800 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		4800 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	4800 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		4800 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4800 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	4800 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	4800 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	4800 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**5545**	**17.4**	1.5 U	2.74	1.6 U
BAP EQUIVALENT-POS	22.0	15.0	C	0.53	**16.6**	1.5 U	0.98	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4800 U	17	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	4800 U	13	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	4800 U	18	1.4 U	9.7	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4800 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4800 U	8.2	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	530 J	17	1.1 U	14	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4800 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	4800 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	4800 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4800 U	1.8 U	1.8 U	1.8 U	1.9 U
NAPHTHALENE	160000	3600	C	4800 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	4800 U	NA	NA	NA	NA
PYRENE	230000	170000	N	740 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1270	73.2	0 U	23.7	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	350 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063A	SB-063B	SB-063C	SB-063D
SAMPLE ID				SB-63-SS	D-SB-63REA-2	D-SB-63REB-2	D-SB-63REC-2	D-SB-63RED-2
SAMPLE DATE				20040924	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	2	2	2	2
BOTTOM DEPTH				0	2	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.94 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	NA	NA	NA	NA
CADMIUM	3.9	7	N	3.3 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	25 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	12 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		36 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.13 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	13 K	NA	NA	NA	NA
SELENIUM	39	39	N	3.3 U	NA	NA	NA	NA
SILVER	39	39	N	3.3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.6 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	71 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		110000	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		140 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS	D-SB-66RE-1
SAMPLE DATE				20040924	20090916	20090916	20040917	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SS	SB
TOP DEPTH				0	1	2	0	1
BOTTOM DEPTH				0	1	2	0	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	5 U	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	6 UL	NA	NA	5 U	NA
2-BUTANONE	4700000	2800000	N	65 UL	NA	NA	53 U	NA
ACETONE	7000000	6100000	N	65 UL	NA	NA	53 U	NA
BENZENE	12000	1100	C	6 UL	NA	NA	5 U	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	5 U	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	5 U	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	13 UL	NA	NA	11 U	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	7 J	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	5 U	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	5 U	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	5 U	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	6 UL	NA	NA	5 U	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	4400 U	NA	NA	3600 U	NA
CARBAZOLE	32000	NC		4400 U	NA	NA	3600 U	NA
DIBENZOFURAN	7800	7800	N	4400 U	NA	NA	3600 U	NA
DIMETHYL PHTHALATE	NC	NC		4400 U	NA	NA	3600 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4400 U	NA	NA	3600 U	NA
ACENAPHTHENE	470000	340000	N	4400 U	NA	NA	3600 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	450 J	NA	NA	3600 U	NA
ANTHRACENE	2300000	1700000	N	4400 U	NA	NA	3600 U	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**4207**	1.4 U	**18.5**	3600 U	**52.7**
BAP EQUIVALENT-POS	22.0	15.0	C	**2007**	1.4 U	**17.8**	3600 U	**51.9**
BENZO(A)ANTHRACENE	220	150	C	**1300 J**	1 U	13	3600 U	58
BENZO(A)PYRENE	22	15	C	**1600 J**	1.4 U	13	3600 UJ	**40**
BENZO(B)FLUORANTHENE	220	150	C	**1400 J**	1.3 U	24	3600 UJ	38
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	1900 J	NA	NA	3600 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1500 J	1.8 U	9.4	3600 UJ	24
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1700 J	0.96 U	22	3600 U	61
DIBENZO(A,H)ANTHRACENE	22	15	C	4400 U	1.4 U	1.5 U	3600 UJ	1.5 U
FLUORANTHENE	310000	230000	N	2100 J	NA	NA	3600 U	NA
FLUORENE	310000	230000	N	4400 U	NA	NA	3600 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**1200 J**	1.6 U	9.4	3600 UJ	20
NAPHTHALENE	160000	3600	C	4400 U	NA	NA	3600 U	NA
PHENANTHRENE	2300000	170000	N[7]	4400 U	NA	NA	3600 U	NA
PYRENE	230000	170000	N	3600 J	NA	NA	3600 U	NA
TOTAL PAHS	NC	NC		16750	0 U	90.8	0 U	241
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	320 U	NA	NA	270 U	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	0 U	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS	D-SB-66RE-1
SAMPLE DATE				20040924	20090916	20090916	20040917	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SS	SB
TOP DEPTH				0	1	2	0	1
BOTTOM DEPTH				0	1	2	0	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	NA	NA	2.6 UR	NA
ARSENIC	0.43	0.39	C	**0.73 K**	NA	NA	**0.54 L**	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	NA	NA	2.6 UL	NA
CADMIUM	3.9	7	N	3 U	NA	NA	2.6 UL	NA
CHROMIUM	12000 [10]	12000	N[10]	18 J	NA	NA	3.1 K	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	9.7 J	NA	NA	2.6 UL	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		75 K	NA	NA	2.8 L	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	NA	NA	0.11 U	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	15 K	NA	NA	9.6	NA
SELENIUM	39	39	N	3.5	NA	NA	2.6 UL	NA
SILVER	39	39	N	3 UR	NA	NA	2.6 UR	NA
THALLIUM	0.55	NC		2.4 U	NA	NA	2.1 UL	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	55 L	NA	NA	26 U	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**330000**	NA	NA	11000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		140 U	NA	NA	250	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066 D-SB-66RE-2 20090914 NORMAL SO NORMAL SB 2 2	SB-066 SB-66-SS 20040923 NORMAL SO NORMAL SS 0 0	SB-066A D-SB-66REA-2 20091014 NORMAL SO NORMAL SB 2 2	SB-066B D-SB-66REB-2 20091014 NORMAL SO NORMAL SB 2 2	SB-066C D-SB-66REC-2 20091014 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	33	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	23	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	59 U	NA	NA	NA
ACETONE	7000000	6100000	N	NA	59 U	NA	NA	NA
BENZENE	12000	1100	C	NA	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	8	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	10 J	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	10 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	260	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	23	NA	NA	NA
TOLUENE	630000	500000	N	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	4000 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	4000 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	4000 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	4000 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	990 J	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	4000 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	4000 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	4000 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**1461**	**4621**	**17.4**	2.6	**38.0**
BAP EQUIVALENT-POS	22.0	15.0	C	**1461**	0.64	**16.6**	0.9	**37.3**
BENZO(A)ANTHRACENE	220	150	C	**1300**	4000 U	16	1.1 U	30
BENZO(A)PYRENE	22	15	C	**1000**	4000 U	12	1.5 U	**29**
BENZO(B)FLUORANTHENE	220	150	C	**1000**	4000 U	18	9.4	36
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	4000 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	450	4000 U	11	2 U	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1300	640 J	1.1 U	1.1 U	21
DIBENZO(A,H)ANTHRACENE	22	15	C	**170**	4000 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	730 J	NA	NA	NA
FLUORENE	310000	230000	N	NA	610 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**550**	4000 U	11	1.8 U	15
NAPHTHALENE	160000	3600	C	NA	690 J	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	1700 J	NA	NA	NA
PYRENE	230000	170000	N	NA	1200 J	NA	NA	NA
TOTAL PAHS	NC	NC		5770	6560	68	9.4	145
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	300 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID				D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE				20090914	20040923	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.8 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**4.9**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.8 U	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.8 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	36 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	22	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	14	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	8.6	NA	NA	NA
SELENIUM	39	39	N	NA	2.8 U	NA	NA	NA
SILVER	39	39	N	NA	2.8 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2.2 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	28 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	4800	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D	SB-067	SB-239	SB-239	SB-239
SAMPLE ID				D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D
SAMPLE DATE				20091014	20040927	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	5 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	5 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	53 UL	NA	NA	NA
ACETONE	7000000	6100000	N	NA	53 UL	NA	NA	NA
BENZENE	12000	1100	C	NA	5 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	5 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	5 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	5 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	5 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	5 UL	NA	NA	NA
TOLUENE	630000	500000	N	NA	5 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	3500 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	3500 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	3500 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	3500 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	3500 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	470 J	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	1600 J	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	1300 J	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	1.5 U	**9391**	**297**	**158**	**18.7**
BAP EQUIVALENT-POS	22.0	15.0	C	1.5 U	**9391**	**297**	**157**	**18.0**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	**5700 J**	**230 J**	120.5	11 J
BENZO(A)PYRENE	22	15	C	1.5 U	**5800 J**	**200 J**	**107**	14 J
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	**5300 J**	**290 J**	**155**	20 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	6900 J	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	**4400 J**	100 J	50.5	2 UJ
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	7300 J	210 J	112	14 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**2000 J**	**34 J**	**17.375**	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	8700	NA	NA	NA
FLUORENE	310000	230000	N	NA	1100 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	**4400 J**	98 J	53.35	8.7 J
NAPHTHALENE	160000	3600	C	NA	3500 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	9000	NA	NA	NA
PYRENE	230000	170000	N	NA	20000 J	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	83970	1162	614.85	67.7
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	260 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D	SB-067	SB-239	SB-239	SB-239
SAMPLE ID				D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D
SAMPLE DATE				20091014	20040927	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	3 J	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**1.1**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	4.6	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.6 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	21 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	9.8 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	56 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	15 K	NA	NA	NA
SELENIUM	39	39	N	NA	4.4	NA	NA	NA
SILVER	39	39	N	NA	2.6 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2.1 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	71	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	11000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-240	SB-240
SAMPLE ID				SB-239-SS[12]	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2
SAMPLE DATE				20050607	20050607	20050607	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	2
BOTTOM DEPTH				1	1.5	0.5	1	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	205	32 J	163 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	187	375	69 J	NA	NA
ANTHRACENE	2300000	1700000	N	136 J	102 J	163 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**340**	**537**	**130**	**2378**	1.5 U
BAP EQUIVALENT-POS	22.0	15.0	C	**340**	**537**	**130**	**2378**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	**157 J**	**217**	49 J	**1300**	1.1 U
BENZO(A)PYRENE	22	15	C	**229**	**368**	**79 J**	**1600**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	**151 J**	**237**	43 J	**2000**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	263	448	83 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	176	245	61 J	590	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	187	264	55 J	1600	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**60 J**	**90 J**	**34 J**	**330**	1.5 U
FLUORANTHENE	310000	230000	N	307	303	54 J	NA	NA
FLUORENE	310000	230000	N	192	28 J	163 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**187**	**312**	67 J	**1100**	1.8 U
NAPHTHALENE	160000	3600	C	49 J	34 J	163 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	539	115 J	163 U	NA	NA
PYRENE	230000	170000	N	383	534	105 J	NA	NA
TOTAL PAHS	NC	NC		3408	3704	699	8520	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-240	SB-240
SAMPLE ID				SB-239-SS[12]	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2
SAMPLE DATE				20050607	20050607	20050607	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	2
BOTTOM DEPTH				1	1.5	0.5	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 SB-240-SS[12] 20050607 NORMAL SO NORMAL SB 1 1	SB-240 SB-240-SS[18] 20050607 NORMAL SO NORMAL SB 1.5 1.5	SB-240 SB-240-SS[6] 20050607 NORMAL SO NORMAL SS 0.5 0.5	SB-240A D-SB-240REA-1 20091014 NORMAL SO NORMAL SB 1 1	SB-240B D-SB-240REB-1 20091013 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	163 U	164 U	159 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	68 J	94 J	52 J	NA	NA
ANTHRACENE	2300000	1700000	N	28 J	164 U	165	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**165**	**175**	**152**	**372**	**13461**
BAP EQUIVALENT-POS	22.0	15.0	C	**82.5**	**175**	**72.3**	**372**	**13461**
BENZO(A)ANTHRACENE	220	150	C	44 J	71 J	43 J	**180**	**11000**
BENZO(A)PYRENE	22	15	C	**67 J**	**130 J**	**58 J**	**270**	**9300**
BENZO(B)FLUORANTHENE	220	150	C	51 J	81 J	48 J	**280**	**11000**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	78 J	120 J	63 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	163 U	111 J	52 J	75	**4000**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	55 J	94 J	48 J	260	11000
DIBENZO(A,H)ANTHRACENE	22	15	C	163 U	**20 J**	159 U	**39**	**1400**
FLUORANTHENE	310000	230000	N	52 J	86 J	347	NA	NA
FLUORENE	310000	230000	N	163 U	164 U	80 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	59 J	89 J	46 J	**160**	**5100**
NAPHTHALENE	160000	3600	C	163 U	164 U	159 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	90 J	34 J	186	NA	NA
PYRENE	230000	170000	N	109 J	212	267	NA	NA
TOTAL PAHS	NC	NC		701	1142	1455	1264	52800
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240	SB-240	SB-240	SB-240A	SB-240B
SAMPLE ID				SB-240-SS[12]	SB-240-SS[18]	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1
SAMPLE DATE				20050607	20050607	20050607	20091014	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	1
BOTTOM DEPTH				1	1.5	0.5	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C	SB-240D	SB-241	SB-241	SB-241
SAMPLE ID				D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]	SB-241-SS[18]	SB-241-SS[6]
SAMPLE DATE				20091013	20091013	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	1	1	1.5	0.5
BOTTOM DEPTH				1	1	1	1.5	0.5
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	43 J	68 J	48 J
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	157 U	156 U	151 U
ANTHRACENE	2300000	1700000	N	NA	NA	47 J	59 J	37 J
BAP EQUIVALENT-HALFND	22.0	15.0	C	**44.0**	**44.7**	**156**	**135**	**165**
BAP EQUIVALENT-POS	22.0	15.0	C	**43.3**	**44.0**	**77.1**	**135**	**89.1**
BENZO(A)ANTHRACENE	220	150	C	24	22	65 J	59 J	76 J
BENZO(A)PYRENE	22	15	C	**34**	**35**	**60 J**	**73 J**	**70 J**
BENZO(B)FLUORANTHENE	220	150	C	43	41	54 J	53 J	56 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	51 J	60 J	57 J
BENZO(K)FLUORANTHENE	2200	1500	C	14	15	47 J	67 J	64 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	29	33	62 J	64 J	83 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	157 U	**44 J**	151 U
FLUORANTHENE	310000	230000	N	NA	NA	131 J	153 J	149 J
FLUORENE	310000	230000	N	NA	NA	55 J	84 J	151 U
INDENO(1,2,3-CD)PYRENE	220	150	C	24	25	47 J	65 J	52 J
NAPHTHALENE	160000	3600	C	NA	NA	70 J	51 J	88 J
PHENANTHRENE	2300000	170000	N[7]	NA	NA	218	305	126 J
PYRENE	230000	170000	N	NA	NA	105 J	134 J	123 J
TOTAL PAHS	NC	NC		168	171	1055	1339	1029
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C	SB-240D	SB-241	SB-241	SB-241
SAMPLE ID				D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]	SB-241-SS[18]	SB-241-SS[6]
SAMPLE DATE				20091013	20091013	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	1	1	1.5	0.5
BOTTOM DEPTH				1	1	1	1.5	0.5
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-242 SB-242-SS[12] 20050607 NORMAL SO NORMAL SB 1 1	SB-242 SB-242-SS[18] 20050607 NORMAL SO NORMAL SB 1.5 1.5	SB-242 SB-242-SS[6] 20050607 NORMAL SO NORMAL SS 0.5 0.5	SB-243 D-SB-243RE-1 20090915 NORMAL SO NORMAL SB 1 1	SB-243 D-SB-243RE-2 20090915 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	164 U	161 U	162 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	34 J	161 U	162 U	NA	NA
ANTHRACENE	2300000	1700000	N	164 U	161 U	162 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**153**	161 U	**181**	**3300**	**20.4**
BAP EQUIVALENT-POS	22.0	15.0	C	**61.9**	161 U	**100**	**3300**	**19.6**
BENZO(A)ANTHRACENE	220	150	C	63 J	161 U	91 J	**1600**	11
BENZO(A)PYRENE	22	15	C	**52 J**	161 U	**79 J**	**2400**	**16**
BENZO(B)FLUORANTHENE	220	150	C	164 U	161 U	70 J	**2400**	15
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	43 J	161 U	52 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	164 U	161 U	72 J	760	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	76 J	161 U	101 J	1900	13
DIBENZO(A,H)ANTHRACENE	22	15	C	164 U	161 U	162 U	**330**	1.6 U
FLUORANTHENE	310000	230000	N	139 J	161 U	180	NA	NA
FLUORENE	310000	230000	N	164 U	161 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	161 U	42 J	**1600**	9.5
NAPHTHALENE	160000	3600	C	62 J	161 U	384	NA	NA
PHENANTHRENE	2300000	170000	N[7]	252	161 U	158 J	NA	NA
PYRENE	230000	170000	N	167	161 U	163	NA	NA
TOTAL PAHS	NC	NC		923	0 U	1392	10990	64.5
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-242** **SB-242-SS[12]** **20050607** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-242** **SB-242-SS[18]** **20050607** **NORMAL** **SO** **NORMAL** **SB** **1.5** **1.5**	**SB-242** **SB-242-SS[6]** **20050607** **NORMAL** **SO** **NORMAL** **SS** **0.5** **0.5**	**SB-243** **D-SB-243RE-1** **20090915** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-243** **D-SB-243RE-2** **20090915** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID				SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE				20050607	20050607	20050607	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	2	2
BOTTOM DEPTH				1	1.5	0.5	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	160 U	166 U	162 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	98 J	60 J	162 U	NA	NA
ANTHRACENE	2300000	1700000	N	41 J	166 U	25 J	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**243**	**174**	**166**	**134**	1.6 U
BAP EQUIVALENT-POS	22.0	15.0	C	**163**	**90.9**	**84.8**	**134**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	96 J	50 J	68 J	110	1.2 U
BENZO(A)PYRENE	22	15	C	**132 J**	**75 J**	**68 J**	**91**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	108 J	45 J	47 J	110	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	118 J	80 J	58 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	55 J	65 J	51	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	143 J	63 J	69 J	98	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	160 U	166 U	162 U	**16**	1.6 U
FLUORANTHENE	310000	230000	N	183	71 J	140 J	NA	NA
FLUORENE	310000	230000	N	160 U	166 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	94 J	58 J	46 J	47	1.8 U
NAPHTHALENE	160000	3600	C	40 J	39 J	37 J	NA	NA
PHENANTHRENE	2300000	170000	N[7]	80 J	53 J	49 J	NA	NA
PYRENE	230000	170000	N	287	128 J	133 J	NA	NA
TOTAL PAHS	NC	NC		1517	777	805	523	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID				SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE				20050607	20050607	20050607	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	2	2
BOTTOM DEPTH				1	1.5	0.5	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243C	SB-243D	SB-592	SB-592A	SB-592B
SAMPLE ID				D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2
SAMPLE DATE				20091012	20091012	20090914	20091015	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	2	2	2	2
BOTTOM DEPTH				2	2	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	14.5	**16.0**	**36.7**	7.1	**31.5**
BAP EQUIVALENT-POS	22.0	15.0	C	13.6	**15.2**	**35.9**	0.1	**30.7**
BENZO(A)ANTHRACENE	220	150	C	14	10	20	4.5 U	15
BENZO(A)PYRENE	22	15	C	11	12	**29**	6.1 U	**25**
BENZO(B)FLUORANTHENE	220	150	C	12	13	30	5.7 U	24
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	13	8 U	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	14	10	28	52	23
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	6.1 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	8.9	17	7.1 U	17
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		51	53.9	137	52	115
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243C	SB-243D	SB-592	SB-592A	SB-592B
SAMPLE ID				D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2
SAMPLE DATE				20091012	20091012	20090914	20091015	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	2	2	2	2
BOTTOM DEPTH				2	2	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-592D	SB-593	SB-594	SB-595
SAMPLE ID				D-SB-592D-2	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE				20091016	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				2	2	2	2
BOTTOM DEPTH				2	2	2	2
VOLATILES (UG/KG)							
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**52.9**	**32.5**	**92.3**	**85.4**
BAP EQUIVALENT-POS	22.0	15.0	C	**52.1**	**31.7**	**92.3**	**84.6**
BENZO(A)ANTHRACENE	220	150	C	23	25	54	59
BENZO(A)PYRENE	22	15	C	**43**	**25**	**64**	**67**
BENZO(B)FLUORANTHENE	220	150	C	39	26	82	77
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	14	12	27	28
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	33	24	61	56
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	11	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	27	15	34	37
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		179	127	333	324
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	2700	2000	C	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-592D** **D-SB-592D-2** **20091016** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-593** **D-SB-593-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-594** **D-SB-594-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-595** **D-SB-595-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-766 D-SB-766-SS 20100827 NORMAL SO NORMAL SS 0 1	SB-767 D-SS-767-01 20100830 NORMAL SO NORMAL SS 0 1	SB-768 D-SS-768-01 20100830 NORMAL SO NORMAL SS 0 1	SB-769 D-SS-769-01 20100830 NORMAL SO NORMAL SS 0 1	SB-770 D-SS-770-01 20100830 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	3.6 U	3.8 U	3.6 U	28	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	3.6 U	3.8 U	3.6 U	3.6 U	9.3
ACENAPHTHENE	470000	340000	N	3.6 U	3.8 U	31 J	29 J	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.6 U	3.8 U	48 J	3.6 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.6 U	**31.3**	**77.9**	**39.2**	**17.9**
BAP EQUIVALENT-POS	22	15	C	3.6 U	**29.0**	**75.9**	**37.2**	**16.0**
BENZO(A)ANTHRACENE	220	150	C	3.6 U	3.8 U	62	44	14
BENZO(A)PYRENE	22	15	C	3.6 U	**27 J**	**61 J**	**29**	11
BENZO(B)FLUORANTHENE	220	150	C	3.6 U	20 J	82 J	36	18 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.6 U	3.8 U	3.6 U	3.6 U	8.9
BENZO(K)FLUORANTHENE	2200	1500	C	3.6 U	3.8 U	47 J	17	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C1-FLUORANTHENES/PYRENES	NC	NC		73 U	NA	NA	NA	77 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
CHRYSENE	22000	15000	C	1.2 U	1.3 U	53	34	14
DIBENZO(A,H)ANTHRACENE	22	15	C	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U
FLUORANTHENE	310000	230000	N	20	26 J	170 J	75 J	27
FLUORENE	310000	230000	N	3.6 U	3.8 U	33 J	3.6 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.6 U	3.8 U	3.6 U	3.6 U	18 J
NAPHTHALENE	160000	3600	C	3.6 U	3.8 U	18	3.6 U	8.1
PHENANTHRENE	2300000	170000	N[7]	3.6 U	3.8 U	120 J	54	20
PYRENE	230000	170000	N	7 J	12	140	68	24
TOTAL PAHS	NC	NC		27	85	865	386	172.3
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-766	SB-767	SB-768	SB-769	SB-770
SAMPLE ID				D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01
SAMPLE DATE				20100827	20100830	20100830	20100830	20100830
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-771 D-SB-771-SS 20100910 NORMAL SO NORMAL SS 0 1	SB-772 D-SS-772-01 20100830 NORMAL SO NORMAL SS 0 1	SB-773 D-SS-773-01 20100831 NORMAL SO NORMAL SS 0 1	SB-774 D-SB-774-SS 20100910 NORMAL SO NORMAL SS 0 1	SB-775 D-SS-775-01 20100831 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	480	15	3.9 U	83 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	980	11	3.9 U	83 U	4 U
ACENAPHTHENE	470000	340000	N	4500	11	3.9 U	1700	4 U
ACENAPHTHYLENE	470000	340000	N[6]	70 U	3.6 U	3.9 U	83 U	4 U
ANTHRACENE	2300000	1700000	N	5900	15	3.9 U	4900	4 U
BAP EQUIVALENT-HALFND	22	15	C	**11308**	**45.0**	3.9 U	**11379**	4 U
BAP EQUIVALENT-POS	22	15	C	**11308**	**43.2**	3.9 U	**11379**	4 U
BENZO(A)ANTHRACENE	220	150	C	**11000**	43	3.9 U	**13000**	4 U
BENZO(A)PYRENE	22	15	C	**7400**	**31**	3.9 U	**7400**	4 U
BENZO(B)FLUORANTHENE	220	150	C	**10000**	47 J	3.9 U	**11000**	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4200	22	3.9 U	3500	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	**3800**	12	3.9 U	**5600**	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	500 J	80 U
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	710 J	80 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	290 J	80 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	220 J	80 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	170 J	80 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	110 J	80 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	110 J	80 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	85 U	80 U
CHRYSENE	22000	15000	C	9600	34	1.3 U	13000	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**1400**	3.6 U	3.9 U	**1200**	4 U
FLUORANTHENE	310000	230000	N	27000	68	3.9 U	37000	4 U
FLUORENE	310000	230000	N	3100	10	3.9 U	2000	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	**3600**	30 J	3.9 U	**3100**	4 U
NAPHTHALENE	160000	3600	C	3100	84	9.8	83 U	4 U
PHENANTHRENE	2300000	170000	N[7]	23000	44	3.9 U	27000	4 U
PYRENE	230000	170000	N	19000	59	3.9 U	27000	4 U
TOTAL PAHS	NC	NC		137580	521	9.8	157400	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-771	SB-772	SB-773	SB-774	SB-775
SAMPLE ID				D-SB-771-SS	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01
SAMPLE DATE				20100910	20100830	20100831	20100910	20100831
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-776	SB-777	SB-778	SB-779	SB-780
SAMPLE ID				D-SS-776-01	D-SB-777-SS	D-SS-778-01	D-SS-779-01	D-SS-780-01
SAMPLE DATE				20100831	20100910	20100831	20100901	20100901
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	15 U	3.8 U	3.9 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	15 U	3.8 U	3.9 U	4 U
ACENAPHTHENE	470000	340000	N	4 U	34	3.8 U	3.9 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	4 U	15 U	3.8 U	3.9 U	4 U
ANTHRACENE	2300000	1700000	N	4 U	89	3.8 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	22	15	C	4 U	**460**	3.8 U	5.21015	4 U
BAP EQUIVALENT-POS	22	15	C	4 U	**452**	3.8 U	0.9	4 U
BENZO(A)ANTHRACENE	220	150	C	4 U	**400**	3.8 U	3.9 U	4 U
BENZO(A)PYRENE	22	15	C	4 U	**340**	3.8 U	3.9 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	**510**	3.8 U	9 J	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	270	3.8 U	3.9 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	180	3.8 U	3.9 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	1600 J	NA	80 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	2300 J	NA	80 U	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	1300 J	NA	80 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	780 J	NA	80 U	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	590 J	NA	80 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	420 J	NA	80 U	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	310 J	NA	80 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	300 J	NA	80 U	NA
CHRYSENE	22000	15000	C	1.3 U	470	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	15 U	3.8 U	3.9 U	4 U
FLUORANTHENE	310000	230000	N	4 U	710	3.8 U	9.9	15
FLUORENE	310000	230000	N	4 U	15 U	3.8 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	**190**	3.8 U	3.9 U	4 U
NAPHTHALENE	160000	3600	C	4 U	15 U	3.8 U	3.9 U	4 U
PHENANTHRENE	2300000	170000	N[7]	4 U	320	3.8 U	3.9 U	17
PYRENE	230000	170000	N	4 U	880	3.8 U	9.2	11
TOTAL PAHS	NC	NC		0 U	4393	0 U	28.1	43
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-776	SB-777	SB-778	SB-779	SB-780
SAMPLE ID				D-SS-776-01	D-SB-777-SS	D-SS-778-01	D-SS-779-01	D-SS-780-01
SAMPLE DATE				20100831	20100910	20100831	20100901	20100901
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-781 D-SS-781-01 20100901 NORMAL SO NORMAL SS 0 1	SB-782 D-SS-782-01 20100902 NORMAL SO NORMAL SS 0 1	SB-783 D-SS-783-01 20100902 NORMAL SO NORMAL SS 0 1	SB-784 D-SS-784-01 20100902 NORMAL SO NORMAL SS 0 1	SB-785 D-SS-785-01 20100903 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	0.66 U	0.49 U	0.6 U	0.75 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	1.4 U	1 U	1.3 U	1.6 U
ACETONE	7000000	6100000	N	NA	6.4 U	4.7 U	5.8 U	18 B
BENZENE	12000	1100	C	NA	0.23 U	0.17 U	0.21 U	0.26 U
CARBON DISULFIDE	780000	82000	N	NA	0.45 U	0.33 U	0.4 U	0.5 U
ETHYLBENZENE	780000	5400	C	NA	0.27 U	0.19 U	0.24 U	0.3 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	1.2 U	0.9 U	1.1 U	1.4 U
METHYLENE CHLORIDE	85000	11000	C	NA	0.68 U	0.5 U	0.61 U	1.5 B
NAPHTHALENE	160000	3600	C	NA	0.19 U	0.14 U	0.17 U	1.1 B
O-XYLENE	1600000 [4]	380000	N	NA	0.36 U	0.26 U	0.32 U	0.4 U
TOLUENE	630000	500000	N	NA	0.28 U	0.2 U	0.25 U	0.31 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	0.35 U	0.25 U	0.31 U	0.39 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	20 U	21 U	21 U	21 UL
CARBAZOLE	32000	NC		NA	28 U	30 U	30 U	29 UL
DIBENZOFURAN	7800	7800	N	NA	3.4 U	15 J	3.6 U	3.6 UL
DIMETHYL PHTHALATE	NC	NC		NA	18 U	19 U	19 U	18 UL
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	51 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	110	3.4 U	8.9	3.6 U	3.6 UL
ACENAPHTHENE	470000	340000	N	1600	11	15	3.6 U	3.6 UL
ACENAPHTHYLENE	470000	340000	N[6]	51 U	12	12	3.6 U	3.6 UL
ANTHRACENE	2300000	1700000	N	6000	26	29	3.6 U	3.6 UL
BAP EQUIVALENT-HALFND	22	15	C	**8311**	**130**	**216**	**40.4**	3.6 U
BAP EQUIVALENT-POS	22	15	C	**8311**	**130**	**216**	**38.6**	3.6 U
BENZO(A)ANTHRACENE	220	150	C	**7000**	86	140	27	3.6 UL
BENZO(A)PYRENE	22	15	C	**5600**	**77**	**140**	**30**	3.6 UL
BENZO(B)FLUORANTHENE	220	150	C	**7300 J**	110	**190**	40	3.6 UL
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	2900	60	90	24	3.6 UL
BENZO(K)FLUORANTHENE	2200	1500	C	**2500**	46	60	13	3.6 UL
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	6400	91	150	32	1.2 UL
DIBENZO(A,H)ANTHRACENE	22	15	C	**1000 J**	**28**	**35**	3.6 U	3.6 UL
FLUORANTHENE	310000	230000	N	19000	180	370	60	3.6 UL
FLUORENE	310000	230000	N	2000	10	16	3.6 U	3.6 UL
INDENO(1,2,3-CD)PYRENE	220	150	C	**2500 J**	49	75	17	3.6 UL
NAPHTHALENE	160000	3600	C	51 U	3.4 U	11	3.6 U	3.6 UL
PHENANTHRENE	2300000	170000	N[7]	17000	96	290	20	3.6 UL
PYRENE	230000	170000	N	13000	150	320	65	3.6 UL
TOTAL PAHS	NC	NC		93910	1032	1951.9	328	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	3.2 U	3.5 U	0.68 UJ	6.7 U
4,4'-DDE	1900	1400	C	NA	2 U	7.8 J	1.5 J	4.2 UJ
AROCLOR-1260	320	220	C	NA	18 U	19 U	19 U	18 U
BETA-BHC	350	270	C	NA	5.7 U	9.1 J	1.2 UJ	12 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-781	SB-782	SB-783	SB-784	SB-785
SAMPLE ID				D-SS-781-01	D-SS-782-01	D-SS-783-01	D-SS-784-01	D-SS-785-01
SAMPLE DATE				20100901	20100902	20100902	20100902	20100903
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	0.15 J	0.25 B	0.076 B	0.063 J
ARSENIC	0.43	0.39	C	NA	**2.2 J**	**2.4 J**	**2.8 J**	**1.6**
BARIUM	1600	1500	N	NA	40.7	17.3	17	4.1 J
BERYLLIUM	16	16	N	NA	0.28	0.28	0.19	0.065 J
CADMIUM	3.9	7	N	NA	0.24 K	0.11 K	0.046 B	0.0084 UL
CHROMIUM	12000 [10]	12000	N[10]	NA	9 J	9.1 J	8.5 J	14.2
COBALT	NC	2.3	N	NA	2 J	**3.2 J**	**6.4 J**	0.65
COPPER	310	310	N	NA	6 J	9 J	6.7 J	5.1 J
IRON	5500	5500	N	NA	**7620 J**	**6110 J**	5100 J	**6620 J**
LEAD	400	400		NA	45.5	25.1	16.4	1.1 J
MANGANESE	160	180	N	NA	102	30.8	24.9	9.4 J
MERCURY	2.3 [11]	2.3	N[12]	NA	0.08 J	0.077 J	0.05 J	0.016 U
MOLYBDENUM	NC	39	N	NA	0.45	0.38	0.33	0.4
NICKEL	160	150	N	NA	5.1 J	5.2 J	5.6 J	0.84 J
SELENIUM	39	39	N	NA	0.4 J	0.46 J	0.51 J	0.25 J
SILVER	39	39	N	NA	0.099 J	0.097 J	0.023 J	0.017 U
THALLIUM	0.55	NC		NA	0.042 B	0.069 B	0.07 B	0.014 UL
VANADIUM	7.8	39	N[13]	NA	**14.2 J**	**15.7 J**	**15.1 J**	**18.7**
ZINC	2300	2300	N	NA	23.4 J	27.8 J	15.5 J	3.3 J
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	26000	18000 B	8600 J	9700 J
GASOLINE RANGE ORGANICS	230000	NC		NA	48 U	51 U	51 U	50 U
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.28 U	0.3 U	**1.3**	**0.52 J**

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-786 D-SS-786-01 20100903 NORMAL SO NORMAL SS 0 1	SB-787 D-SS-787-01 20100903 NORMAL SO NORMAL SS 0 1	SB-788 D-SB-788-SS 20100908 NORMAL SO NORMAL SS 0 1	SB-789 D-SB-789-SS 20100908 NORMAL SO NORMAL SS 0 1	SB-790 D-SB-790-SS 20100908 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.59 U	0.6 U	0.57 U	0.53 U	0.6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	2.1 B	2.8 B	1.6 J	6 J	1.3 U
ACETONE	7000000	6100000	N	21 B	17 B	440 J	210 B	110
BENZENE	12000	1100	C	0.72 J	0.21 U	0.2 U	0.19 U	0.21 U
CARBON DISULFIDE	780000	82000	N	2.2 B	1 B	0.65 J	0.82 J	0.41 U
ETHYLBENZENE	780000	5400	C	0.23 U	0.24 U	0.23 U	0.21 U	0.24 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1.1 U	1 U	0.99 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	3.9 B	2.8 B	0.59 U	0.55 U	0.62 U
NAPHTHALENE	160000	3600	C	2.2 B	1.7 B	0.17 U	0.16 U	0.18 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.32 U	0.31 U	0.29 U	0.32 U
TOLUENE	630000	500000	N	0.24 U	0.25 U	0.24 U	0.22 U	0.25 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.31 U	0.31 U	0.3 U	0.28 U	0.31 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U	22 U	20 J	20 U	20 U
CARBAZOLE	32000	NC		62	31 U	29 U	29 U	29 U
DIBENZOFURAN	7800	7800	N	34 J	3.8 U	11 J	3.5 U	3.5 U
DIMETHYL PHTHALATE	NC	NC		20 U	20 U	18 U	18 U	18 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	27	3.8 U	10	3.5 U	3.5 U
ACENAPHTHENE	470000	340000	N	100	11	16	3.5 U	3.5 U
ACENAPHTHYLENE	470000	340000	N[6]	10	3.8 U	3.5 U	3.5 U	3.5 U
ANTHRACENE	2300000	1700000	N	190	20	20	3.5 U	3.5 U
BAP EQUIVALENT-HALFND	22	15	C	**574**	**72.4**	**105**	**22.2**	**18.5**
BAP EQUIVALENT-POS	22	15	C	**574**	**72.4**	**105**	**20.3**	**16.4**
BENZO(A)ANTHRACENE	220	150	C	**520**	49	53	3.5 U	3.5 U
BENZO(A)PYRENE	22	15	C	**380**	**40**	**63**	**17**	15
BENZO(B)FLUORANTHENE	220	150	C	**440**	58	83	15	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	210	26	36	3.5 U	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	220	22	29	3.5 U	3.5 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	480	44	62	1.2 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**76**	**19**	**24**	3.5 U	3.5 U
FLUORANTHENE	310000	230000	N	890	93	110	14	8.5
FLUORENE	310000	230000	N	93	9.8	18	3.5 U	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	**190**	24	45	18	3.5 U
NAPHTHALENE	160000	3600	C	85	3.8 U	19	3.5 U	3.5 U
PHENANTHRENE	2300000	170000	N[7]	630	53	87	3.5 U	3.5 U
PYRENE	230000	170000	N	850	73	93	14	9.6
TOTAL PAHS	NC	NC		5391	541.8	768	78	47.1
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	15 U	0.72 U	1.3 UJ	0.66 UJ	0.66 U
4,4'-DDE	1900	1400	C	9.3 U	0.45 UJ	0.83 U	0.42 U	0.42 U
AROCLOR-1260	320	220	C	20 U	20 U	18 U	18 U	18 U
BETA-BHC	350	270	C	26 UJ	1.3 UJ	6.4 J	1.2 U	1.2 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-786	SB-787	SB-788	SB-789	SB-790
SAMPLE ID				D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS	D-SB-790-SS
SAMPLE DATE				20100903	20100903	20100908	20100908	20100908
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.24 J	0.19 J	0.034 J	0.056 J	0.026 U
ARSENIC	0.43	0.39	C	**6**	**5.3**	**0.95**	**1.7**	**0.71**
BARIUM	1600	1500	N	37.1 J	30.7 J	6.8	17.3	3.7
BERYLLIUM	16	16	N	2	1.9	0.087 J	0.2	0.05 U
CADMIUM	3.9	7	N	0.11 J	0.4 L	0.0083 UL	0.024 B	0.0084 UL
CHROMIUM	12000 [10]	12000	N[10]	20.8	18.6	12.4	11.3	8.2
COBALT	NC	2.3	N	**8.9**	**27.5**	1.5	1.8	0.52
COPPER	310	310	N	22.4 J	21.6 J	4.2 L	9.6 L	2.9
IRON	5500	5500	N	**25400 J**	**21500 J**	5460	4680	3870
LEAD	400	400		26.5 J	21.4 J	2.2	7.8	0.98
MANGANESE	160	180	N	102 J	70.5 J	28.6	10.8	14
MERCURY	2.3 [11]	2.3	N[12]	0.25 K	0.48 K	0.016 U	0.019 J	0.016 U
MOLYBDENUM	NC	39	N	0.56	0.45	0.23	0.31	0.14 J
NICKEL	160	150	N	20.7 J	40.6 J	3.3	3.1	0.64
SELENIUM	39	39	N	3.1 L	2.3 L	0.16 J	0.58 J	0.16 J
SILVER	39	39	N	0.38	0.28 K	0.017 U	0.025 B	0.017 U
THALLIUM	0.55	NC		0.034 J	0.054 J	0.014 U	0.067 B	0.014 U
VANADIUM	7.8	39	N[13]	**34.2**	**29.2**	**12.1**	**17.4**	**10.9**
ZINC	2300	2300	N	48.5 J	139 J	4.8 J	11.8 J	2.9
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**520000**	59000	24000	9700 J	33000
GASOLINE RANGE ORGANICS	230000	NC		71 J	53 U	49 U	49 U	49 U
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	0.31 U	**0.53 J**	**0.57 J**	**0.8 J**

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID				D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.67 U	0.6 U	0.55 U	0.52 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	1.7 J	7.6 J	12	1.1 U	17
ACETONE	7000000	6100000	N	14 B	43 B	130 B	21 B	96 B
BENZENE	12000	1100	C	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
CARBON DISULFIDE	780000	82000	N	0.65 J	1.4 B	1.7 B	1.1 B	1.9 B
ETHYLBENZENE	780000	5400	C	0.27 U	0.24 U	0.22 U	0.21 U	0.22 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.2 U	1.1 U	1 U	0.96 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.69 U	0.72 B	1 B	0.54 U	2.1 B
NAPHTHALENE	160000	3600	C	0.2 U	0.85 B	2.2 B	0.15 U	0.78 B
O-XYLENE	1600000 [4]	380000	N	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
TOLUENE	630000	500000	N	0.28 U	0.38 J	0.23 U	0.22 U	0.23 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.35 U	0.31 U	0.29 U	0.85 J	0.29 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	20 U	20 U	22 U	29 U	22 U
CARBAZOLE	32000	NC		29 U	29 U	31 U	120	31 U
DIBENZOFURAN	7800	7800	N	3.5 U	3.6 U	3.8 U	110	3.8 U
DIMETHYL PHTHALATE	NC	NC		18 U	18 U	19 U	26 U	19 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.5 U	3.6 U	3.8 U	69	3.8 U
ACENAPHTHENE	470000	340000	N	3.5 U	3.6 U	3.8 U	160	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.5 U	3.6 U	3.8 U	460	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.5 U	4.2	**16.8**	**714**	**38.9**
BAP EQUIVALENT-POS	22	15	C	3.5 U	0.01	14.9	**711**	**37.0**
BENZO(A)ANTHRACENE	220	150	C	3.5 U	3.6 U	12	**740**	16
BENZO(A)PYRENE	22	15	C	3.5 U	3.6 U	11	**540**	**29**
BENZO(B)FLUORANTHENE	220	150	C	3.5 U	3.6 U	17	**650**	33
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.5 U	3.6 U	10	310	17
BENZO(K)FLUORANTHENE	2200	1500	C	3.5 U	3.6 U	11	370	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	7.2	15	640	26
DIBENZO(A,H)ANTHRACENE	22	15	C	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
FLUORANTHENE	310000	230000	N	8.4	8.4	20	1700	36
FLUORENE	310000	230000	N	3.5 U	3.6 U	3.8 U	210	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.5 U	3.6 U	8.7	**280**	29
NAPHTHALENE	160000	3600	C	3.5 U	3.6 U	3.8 U	82	3.8 U
PHENANTHRENE	2300000	170000	N[7]	3.5 U	3.6 U	12	1600	27
PYRENE	230000	170000	N	8.2	8	16	1200	37
TOTAL PAHS	NC	NC		16.6	23.6	132.7	9011	263
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	0.66 U	1.3 U	3.5 U	4 J	3.5 UJ
4,4'-DDE	1900	1400	C	0.41 U	0.84 U	2.2 U	7.1 J	2.2 UJ
AROCLOR-1260	320	220	C	18 U	18 U	19 U	20 J	19 U
BETA-BHC	350	270	C	1.2 U	2.4 U	6.3 U	6.4 U	6.3 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	20	0 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID				D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.025 UL	0.11 B	0.2 B	0.41 J	0.085 B
ARSENIC	0.43	0.39	C	**0.72 L**	**2.3 L**	**4.5 L**	**4.3 J**	**2.6 J**
BARIUM	1600	1500	N	3.9	23.6	27.4	54.4	12.6
BERYLLIUM	16	16	N	0.055 J	0.59 J	1.5 J	1.6 J	0.15 J
CADMIUM	3.9	7	N	0.0082 UL	0.081 B	0.094 B	0.27 B	0.011 B
CHROMIUM	12000 [10]	12000	N[10]	8.6	11.6	21.6	16.2 J	26.2 J
COBALT	NC	2.3	N	0.5	**4**	**7.7**	**14.1 J**	1.4 J
COPPER	310	310	N	3.2	9.4	21.5	33.6 J	4.5 J
IRON	5500	5500	N	4450	**9890**	**21500**	**20200 J**	**10200 J**
LEAD	400	400		1.1	9.8	15.8	56.2	2
MANGANESE	160	180	N	9.4 J	124 J	39.3 J	**183 J**	15.6 J
MERCURY	2.3 [11]	2.3	N[12]	0.016 U	0.17	0.069 J	1.7	0.091 J
MOLYBDENUM	NC	39	N	0.14 B	0.5	0.45	0.52	0.26
NICKEL	160	150	N	0.76	7.7	15	21.3 J	2.7 J
SELENIUM	39	39	N	0.11 J	0.61 L	1.7 L	1.2 L	0.29 J
SILVER	39	39	N	0.017 U	0.18	0.24 K	1.4	0.018 U
THALLIUM	0.55	NC		0.014 U	0.038 J	0.053 J	0.094 B	0.015 U
VANADIUM	7.8	39	N[13]	**12.2**	**16.6**	**43.3**	**25.8 J**	**19.4 J**
ZINC	2300	2300	N	3.1 B	28.4	49	119 L	5.4 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		11000	36000	40000	39000	34000
GASOLINE RANGE ORGANICS	230000	NC		49 U	49 U	53 U	54 U	53 UJ
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.54 J**	**0.32 J**	**0.62 J**	0.31 U	0.31 U

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-796** **D-SB-796-SS** **20100910** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VOLATILES (UG/KG)				
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.48 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA
2-BUTANONE	4700000	2800000	N	2.2 J
ACETONE	7000000	6100000	N	17 B
BENZENE	12000	1100	C	0.17 U
CARBON DISULFIDE	780000	82000	N	0.73 B
ETHYLBENZENE	780000	5400	C	0.19 U
M+P-XYLENES	1600000 [4]	63000	N[5]	0.89 U
METHYLENE CHLORIDE	85000	11000	C	0.82 B
NAPHTHALENE	160000	3600	C	0.71 B
O-XYLENE	1600000 [4]	380000	N	0.26 U
TOLUENE	630000	500000	N	0.2 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.25 U
SEMIVOLATILES (UG/KG)				
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U
CARBAZOLE	32000	NC		32 U
DIBENZOFURAN	7800	7800	N	3.9 U
DIMETHYL PHTHALATE	NC	NC		20 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	10
ACENAPHTHENE	470000	340000	N	13
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U
ANTHRACENE	2300000	1700000	N	15
BAP EQUIVALENT-HALFND	22	15	C	**79.2**
BAP EQUIVALENT-POS	22	15	C	**77.3**
BENZO(A)ANTHRACENE	220	150	C	49
BENZO(A)PYRENE	22	15	C	**60**
BENZO(B)FLUORANTHENE	220	150	C	74
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	40
BENZO(K)FLUORANTHENE	2200	1500	C	31
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
CHRYSENE	22000	15000	C	59
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U
FLUORANTHENE	310000	230000	N	96
FLUORENE	310000	230000	N	12
INDENO(1,2,3-CD)PYRENE	220	150	C	46
NAPHTHALENE	160000	3600	C	18
PHENANTHRENE	2300000	170000	N[7]	60
PYRENE	230000	170000	N	81
TOTAL PAHS	NC	NC		664
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	2700	2000	C	0.74 U
4,4'-DDE	1900	1400	C	0.47 U
AROCLOR-1260	320	220	C	20 U
BETA-BHC	350	270	C	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards [1][3]**	**USEPA Regional Screening Levels (RSLs) [2][3]**		**SB-796** **D-SB-796-SS** **20100910** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	0.37 J
ARSENIC	0.43	0.39	C	**4.9**
BARIUM	1600	1500	N	34.3
BERYLLIUM	16	16	N	2.1
CADMIUM	3.9	7	N	0.053 J
CHROMIUM	12000 [10]	12000	N[10]	19.3
COBALT	NC	2.3	N	**10.9**
COPPER	310	310	N	26.6
IRON	5500	5500	N	**22900**
LEAD	400	400		29.8
MANGANESE	160	180	N	80.2
MERCURY	2.3 [11]	2.3	N[12]	0.56
MOLYBDENUM	NC	39	N	0.61
NICKEL	160	150	N	24.6
SELENIUM	39	39	N	2.2
SILVER	39	39	N	0.35
THALLIUM	0.55	NC		0.078 U
VANADIUM	7.8	39	N[13]	**28.8**
ZINC	2300	2300	N	46.1
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		64000
GASOLINE RANGE ORGANICS	230000	NC		55 U
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	**0.36 J**

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
2-BUTANONE	59 U	13 J	6 J	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	7 U	7 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	7 U	7 U	NA	NA	NA
2-HEXANONE	59 U	67 U	68 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	7 U	7 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	7 U	7 U	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	67 U	68 U	NA	NA	NA
ACETONE	59 U	77 J	59 J	NA	NA	NA
BENZENE	6 U	7 U	7 U	NA	NA	NA
BROMOBENZENE	6 U	7 U	7 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
BROMOFORM	6 U	7 U	7 U	NA	NA	NA
BROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
CARBON DISULFIDE	6 U	7 U	7 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	7 U	7 U	NA	NA	NA
CHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
CHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
CHLOROFORM	6 U	7 U	7 U	NA	NA	NA
CHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
DIBROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	7 U	7 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	6 U	7 U	7 U	NA	NA	NA
ISOPROPYLBENZENE	6 U	7 U	7 U	NA	NA	NA
M+P-XYLENES	18 U	20 U	20 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	7 U	7 U	NA	NA	NA
METHYLENE CHLORIDE	5 J	12 J	11 J	NA	NA	NA
NAPHTHALENE	6 U	7 U	7 U	NA	NA	NA
N-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
N-PROPYLBENZENE	6 U	7 U	7 U	NA	NA	NA
O-XYLENE	18 U	20 U	20 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
STYRENE	6 U	7 U	7 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TOLUENE	6 U	7 U	7 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
TRICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	7 U	7 U	NA	NA	NA
VINYL ACETATE	6 U	7 U	7 U	NA	NA	NA
VINYL CHLORIDE	6 U	7 U	7 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	400 U	450 U	450 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	450 U	450 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DINITROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
2,4-DINITROTOLUENE	400 U	450 U	450 U	NA	NA	NA
2,6-DINITROTOLUENE	400 U	450 U	450 U	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	450 U	450 U	NA	NA	NA
2-CHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
2-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA
2-NITROPHENOL	400 U	450 U	450 U	NA	NA	NA
3&4-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	450 U	450 U	NA	NA	NA
3-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	910 U	1000 U	1000 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	450 U	450 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
4-CHLOROANILINE	400 U	450 U	450 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	450 U	450 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
ACETOPHENONE	400 U	450 U	450 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	450 U	450 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	450 U	450 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	450 U	450 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	450 U	450 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
CAPROLACTAM	400 U	450 U	450 U	NA	NA	NA
CARBAZOLE	400 U	450 U	120 J	NA	NA	NA
DIBENZOFURAN	400 U	450 U	65 J	NA	NA	NA
DIETHYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DIMETHYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROBENZENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROETHANE	400 U	450 U	450 U	NA	NA	NA
ISOPHORONE	400 U	450 U	450 U	NA	NA	NA
NITROBENZENE	400 U	450 U	450 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	450 U	450 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	450 U	450 U	NA	NA	NA
PENTACHLOROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
PHENOL	400 U	450 U	450 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	450 U	450 U	NA	NA	NA
ACENAPHTHENE	400 U	110 J	110 J	NA	NA	NA
ACENAPHTHYLENE	400 U	450 U	450 U	NA	NA	NA
ANTHRACENE	400 U	84 J	260 J	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	441	944	1.7 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	400 U	216	696	1.7 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	400 U	190 J	640	1.2 U	1 U	1.2 U
BENZO(A)PYRENE	400 U	170 J	570	1.7 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	400 U	170 J	560	1.6 U	1.3 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	450 U	220 J	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	180 J	580	2.2 U	1.8 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	200 J	610	1.2 U	0.98 U	1.1 U
DIBENZO(A,H)ANTHRACENE	400 U	450 U	450 U	1.7 U	1.4 U	1.6 U
FLUORANTHENE	400 U	430 J	1000	NA	NA	NA
FLUORENE	400 U	83 J	150 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	79 J	450 U	2 U	1.6 U	1.9 U
NAPHTHALENE	400 U	95 J	450 U	NA	NA	NA
PHENANTHRENE	400 U	380 J	910	NA	NA	NA
PYRENE	400 U	450	1000	NA	NA	NA
TOTAL PAHS	0 U	2621	6610	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1221	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1232	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1242	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1248	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1254	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1260	59 U	67 U	68 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3 UL	3.4 UL	3.4 UL	NA	NA	NA
ARSENIC	0.59 UR	2.5 L	4.9 L	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	4.9	3.4 U	3.4 U	NA	NA	NA
CADMIUM	3 U	3.4 U	3.4 U	NA	NA	NA
CHROMIUM	27 L	18 J	23 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	22	33	54	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	24 L	68	120	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	1.7	3.3	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	46 L	22	23	NA	NA	NA
SELENIUM	11 L	3.4 U	3.4 U	NA	NA	NA
SILVER	3 U	3.4 UR	3.4 UR	NA	NA	NA
THALLIUM	2.4 UL	2.7 U	2.7 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	130 J	140	180	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	24000 U	43000	27000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	130 U	140 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84	74	73	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	56 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	56 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	56 U
ACETONE	NA	NA	NA	NA	NA	56 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 U
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	370 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	370 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	930 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	930 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	370 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	370 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	370 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
2-NITROANILINE	NA	NA	NA	NA	NA	930 U
2-NITROPHENOL	NA	NA	NA	NA	NA	370 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	370 U
3-NITROANILINE	NA	NA	NA	NA	NA	930 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	860 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	370 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	370 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	370 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	930 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	930 U
ACETOPHENONE	NA	NA	NA	NA	NA	370 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	370 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	370 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	370 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	370 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	370 U
CAPROLACTAM	NA	NA	NA	NA	NA	370 U
CARBAZOLE	NA	NA	NA	NA	NA	370 U
DIBENZOFURAN	NA	NA	NA	NA	NA	370 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	370 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	370 U
ISOPHORONE	NA	NA	NA	NA	NA	370 U
NITROBENZENE	NA	NA	NA	NA	NA	370 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	370 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	370 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	930 U
PHENOL	NA	NA	NA	NA	NA	370 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	370 U
ACENAPHTHENE	NA	NA	NA	NA	NA	370 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	370 U
ANTHRACENE	NA	NA	NA	NA	NA	370 U
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	370 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	370 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	370 U
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	370 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	370 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
FLUORANTHENE	NA	NA	NA	NA	NA	370 U
FLUORENE	NA	NA	NA	NA	NA	370 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	370 U
NAPHTHALENE	NA	NA	NA	NA	NA	370 U
PHENANTHRENE	NA	NA	NA	NA	NA	370 U
PYRENE	NA	NA	NA	NA	NA	370 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	22 U
4,4'-DDE	NA	NA	NA	NA	NA	22 U
4,4'-DDT	NA	NA	NA	NA	NA	22 U
ALDRIN	NA	NA	NA	NA	NA	22 U
ALPHA-BHC	NA	NA	NA	NA	NA	22 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	22 U
AROCLOR-1016	NA	NA	NA	NA	NA	280 U
AROCLOR-1221	NA	NA	NA	NA	NA	280 U
AROCLOR-1232	NA	NA	NA	NA	NA	280 U
AROCLOR-1242	NA	NA	NA	NA	NA	280 U
AROCLOR-1248	NA	NA	NA	NA	NA	280 U
AROCLOR-1254	NA	NA	NA	NA	NA	280 U
AROCLOR-1260	NA	NA	NA	NA	NA	280 U
BETA-BHC	NA	NA	NA	NA	NA	22 U
DELTA-BHC	NA	NA	NA	NA	NA	22 U
DIELDRIN	NA	NA	NA	NA	NA	22 U
ENDOSULFAN I	NA	NA	NA	NA	NA	22 U
ENDOSULFAN II	NA	NA	NA	NA	NA	22 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	22 U
ENDRIN	NA	NA	NA	NA	NA	22 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	22 U
ENDRIN KETONE	NA	NA	NA	NA	NA	22 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	22 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	22 U
HEPTACHLOR	NA	NA	NA	NA	NA	22 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	22 U
METHOXYCHLOR	NA	NA	NA	NA	NA	22 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	550 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.7 UR
ARSENIC	NA	NA	NA	NA	NA	0.65 L
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.7 U
CADMIUM	NA	NA	NA	NA	NA	2.7 UL
CHROMIUM	NA	NA	NA	NA	NA	8.6 L
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	16
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	3.2 J
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	2.7 U
SELENIUM	NA	NA	NA	NA	NA	2.7 UL
SILVER	NA	NA	NA	NA	NA	2.7 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	27 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	11000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	110 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	64 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	64 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	64 U	NA	NA	NA	NA	NA
ACETONE	64 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	13 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	430 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	430 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	430 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	430 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	430 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	990 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	430 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	430 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	430 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	430 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	430 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	430 U	NA	NA	NA	NA	NA
CAPROLACTAM	430 U	NA	NA	NA	NA	NA
CARBAZOLE	430 U	NA	NA	NA	NA	NA
DIBENZOFURAN	430 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	430 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	430 U	NA	NA	NA	NA	NA
ISOPHORONE	430 U	NA	NA	NA	NA	NA
NITROBENZENE	430 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	430 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	670	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	NA	NA	NA	NA	NA
ACENAPHTHENE	430 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	430 U	NA	NA	NA	NA	NA
ANTHRACENE	430 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	430 U	41.6	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	430 U	40.7	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	430 U	35	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	430 U	30	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	430 U	42	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	430 U	17	2 U	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	430 U	40	1.1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	430 U	1.8 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	430 U	NA	NA	NA	NA	NA
FLUORENE	430 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	430 U	28	1.8 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	430 U	NA	NA	NA	NA	NA
PHENANTHRENE	430 U	NA	NA	NA	NA	NA
PYRENE	430 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	192	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	320 U	NA	NA	NA	NA	NA
AROCLOR-1221	320 U	NA	NA	NA	NA	NA
AROCLOR-1232	320 U	NA	NA	NA	NA	NA
AROCLOR-1242	320 U	NA	NA	NA	NA	NA
AROCLOR-1248	320 U	NA	NA	NA	NA	NA
AROCLOR-1254	320 U	NA	NA	NA	NA	NA
AROCLOR-1260	320 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1 UR	NA	NA	NA	NA	NA
ARSENIC	1.8 L	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.1 U	NA	NA	NA	NA	NA
CADMIUM	3.1 UL	NA	NA	NA	NA	NA
CHROMIUM	9.5 L	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	6.4	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	3.7 J	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	3.8 K	NA	NA	NA	NA	NA
SELENIUM	3.1 UL	NA	NA	NA	NA	NA
SILVER	3.1 UR	NA	NA	NA	NA	NA
THALLIUM	2.4 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	31 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	63 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	63 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	63 U
ACETONE	NA	NA	NA	NA	NA	63 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	13 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 U
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	420 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	420 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	1100 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	1100 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	420 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	420 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	420 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
2-NITROANILINE	NA	NA	NA	NA	NA	1100 U
2-NITROPHENOL	NA	NA	NA	NA	NA	420 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	420 U
3-NITROANILINE	NA	NA	NA	NA	NA	1100 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	970 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	420 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	420 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	420 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	1100 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	1100 U
ACETOPHENONE	NA	NA	NA	NA	NA	420 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	420 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	420 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	420 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	420 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	420 U
CAPROLACTAM	NA	NA	NA	NA	NA	420 U
CARBAZOLE	NA	NA	NA	NA	NA	420 U
DIBENZOFURAN	NA	NA	NA	NA	NA	420 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	420 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	62 J
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	420 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	420 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	420 U
ISOPHORONE	NA	NA	NA	NA	NA	420 U
NITROBENZENE	NA	NA	NA	NA	NA	420 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	420 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	420 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	1100 U
PHENOL	NA	NA	NA	NA	NA	420 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	420 U
ACENAPHTHENE	NA	NA	NA	NA	NA	420 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	420 U
ANTHRACENE	NA	NA	NA	NA	NA	420 U
BAP EQUIVALENT-HALFND	158	1.6 U	6.2	11.6	438	331
BAP EQUIVALENT-POS	157	1.6 U	5.8	10.7	437	100
BENZO(A)ANTHRACENE	98	1.2 U	1.2 U	1.2 U	290	99 J
BENZO(A)PYRENE	120	1.6 U	4.9	9	340	83 J
BENZO(B)FLUORANTHENE	180	1.5 U	1.5 U	1.5 U	460	66 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	420 U
BENZO(K)FLUORANTHENE	77	2.1 U	2.1 U	2.1 U	180	86 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	98	1.1 U	1.1 U	1.1 U	310	100 J
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	420 U
FLUORANTHENE	NA	NA	NA	NA	NA	150 J
FLUORENE	NA	NA	NA	NA	NA	420 U
INDENO(1,2,3-CD)PYRENE	87	1.9 UJ	8.975	17 J	200	420 U
NAPHTHALENE	NA	NA	NA	NA	NA	420 U
PHENANTHRENE	NA	NA	NA	NA	NA	80 J
PYRENE	NA	NA	NA	NA	NA	140 J
TOTAL PAHS	660	0 U	13	26	1780	804
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	25 U
4,4'-DDE	NA	NA	NA	NA	NA	25 U
4,4'-DDT	NA	NA	NA	NA	NA	25 U
ALDRIN	NA	NA	NA	NA	NA	25 U
ALPHA-BHC	NA	NA	NA	NA	NA	25 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	25 U
AROCLOR-1016	NA	NA	NA	NA	NA	310 U
AROCLOR-1221	NA	NA	NA	NA	NA	310 U
AROCLOR-1232	NA	NA	NA	NA	NA	310 U
AROCLOR-1242	NA	NA	NA	NA	NA	310 U
AROCLOR-1248	NA	NA	NA	NA	NA	310 U
AROCLOR-1254	NA	NA	NA	NA	NA	310 U
AROCLOR-1260	NA	NA	NA	NA	NA	310 U
BETA-BHC	NA	NA	NA	NA	NA	25 U
DELTA-BHC	NA	NA	NA	NA	NA	25 U
DIELDRIN	NA	NA	NA	NA	NA	25 U
ENDOSULFAN I	NA	NA	NA	NA	NA	25 U
ENDOSULFAN II	NA	NA	NA	NA	NA	25 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	25 U
ENDRIN	NA	NA	NA	NA	NA	25 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	25 U
ENDRIN KETONE	NA	NA	NA	NA	NA	25 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	25 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	25 U
HEPTACHLOR	NA	NA	NA	NA	NA	25 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	25 U
METHOXYCHLOR	NA	NA	NA	NA	NA	25 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	620 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	3.1 UR
ARSENIC	NA	NA	NA	NA	NA	2.3 L
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	3.1 U
CADMIUM	NA	NA	NA	NA	NA	3.1 UL
CHROMIUM	NA	NA	NA	NA	NA	19 L
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	13
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	9.3 J
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.12 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	8.6
SELENIUM	NA	NA	NA	NA	NA	3.1 UL
SILVER	NA	NA	NA	NA	NA	3.1 UR
THALLIUM	NA	NA	NA	NA	NA	2.5 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	68 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	13000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	130 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	63 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	63 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	63 U	NA	NA	NA	NA	NA
ACETONE	63 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	13 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	420 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	420 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	420 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	420 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	420 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	420 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	980 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	420 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	420 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	420 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	420 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	420 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	420 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	420 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	420 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	420 U	NA	NA	NA	NA	NA
CAPROLACTAM	420 U	NA	NA	NA	NA	NA
CARBAZOLE	420 U	NA	NA	NA	NA	NA
DIBENZOFURAN	420 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	420 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	420 U	NA	NA	NA	NA	NA
ISOPHORONE	420 U	NA	NA	NA	NA	NA
NITROBENZENE	420 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	420 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	420 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	690	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	420 U	NA	NA	NA	NA	NA
ACENAPHTHENE	420 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	420 U	NA	NA	NA	NA	NA
ANTHRACENE	420 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	420 U	27.2	15.9	121	29.8	15.7
BAP EQUIVALENT-POS	420 U	26.4	15.0	121	29.0	14.6
BENZO(A)ANTHRACENE	420 U	11	15	74	22	13
BENZO(A)PYRENE	420 U	20	12	73	22	12
BENZO(B)FLUORANTHENE	420 U	30	15	84	35	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	420 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	420 U	2 U	2.1 U	26	9.7	2.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	420 U	15	15	82	29	1.4 U
DIBENZO(A,H)ANTHRACENE	420 U	1.5 U	1.6 U	27	1.6 U	2 U
FLUORANTHENE	420 U	NA	NA	NA	NA	NA
FLUORENE	420 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	420 U	23	1.8 U	47	12	2.3 U
NAPHTHALENE	420 U	NA	NA	NA	NA	NA
PHENANTHRENE	420 U	NA	NA	NA	NA	NA
PYRENE	420 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	99	57	413	129.7	38
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	310 U	NA	NA	NA	NA	NA
AROCLOR-1221	310 U	NA	NA	NA	NA	NA
AROCLOR-1232	310 U	NA	NA	NA	NA	NA
AROCLOR-1242	310 U	NA	NA	NA	NA	NA
AROCLOR-1248	310 U	NA	NA	NA	NA	NA
AROCLOR-1254	310 U	NA	NA	NA	NA	NA
AROCLOR-1260	310 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.9 UR	NA	NA	NA	NA	NA
ARSENIC	4.1 L	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.9 U	NA	NA	NA	NA	NA
CADMIUM	2.9 UL	NA	NA	NA	NA	NA
CHROMIUM	15 L	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	21	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	7.9 J	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.11 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	18	NA	NA	NA	NA	NA
SELENIUM	2.9 UL	NA	NA	NA	NA	NA
SILVER	2.9 UR	NA	NA	NA	NA	NA
THALLIUM	2.3 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	41 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	40.6	29.8	19.1	84.8	2.7	16.7
BAP EQUIVALENT-POS	39.8	29.1	18.3	84.8	0.9	15.7
BENZO(A)ANTHRACENE	23	18.5	14	60	1.1 U	1.2 U
BENZO(A)PYRENE	30	22	14	58	1.6 U	14
BENZO(B)FLUORANTHENE	44	30.5	17	77	9	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	12	11.5	11	30	2 U	2.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	21	18	15	65	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	9.3	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	30	20.5	11	34	1.8 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	160	121	82	333.3	9	31
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	25.0	43.6	4.9	16.7	92.6	475
BAP EQUIVALENT-POS	24.2	42.8	3.2	15.8	91.9	475
BENZO(A)ANTHRACENE	7.8 J	23	8.4	1.1 U	55	360
BENZO(A)PYRENE	19	33	1.6 U	14	71	320
BENZO(B)FLUORANTHENE	23	44	23	18	100	380
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	12	2.1 U	2 U	37	160
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	10	23	13	1.1 U	63	300
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	62
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	21	30	1.9 U	1.8 U	50	170
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	80.8	165	44.4	32	376	1752
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
2-BUTANONE	NA	56 U	58 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
2-HEXANONE	NA	56 U	58 U	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	56 U	58 U	NA	NA	NA
ACETONE	NA	56 U	58 U	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
M+P-XYLENES	NA	11 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	6 J	11 J	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	3800 U	3900 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	3800 U	3900 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	9500 U	9900 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DINITROPHENOL	NA	9500 U	9900 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	3800 U	3900 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	3800 U	3900 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
2-CHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
2-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA
2-NITROPHENOL	NA	3800 U	3900 U	NA	NA	NA
3&4-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	3800 U	3900 U	NA	NA	NA
3-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	8700 U	9100 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	3800 U	3900 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
4-CHLOROANILINE	NA	3800 U	3900 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	3800 U	3900 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	9500 U	9900 U	NA	NA	NA
ACETOPHENONE	NA	3800 U	3900 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	3800 U	3900 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	3800 U	3900 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	3800 U	3900 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
CAPROLACTAM	NA	3800 U	3900 U	NA	NA	NA
CARBAZOLE	NA	3800 U	3900 U	NA	NA	NA
DIBENZOFURAN	NA	3800 U	3900 U	NA	NA	NA
DIETHYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROBENZENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROETHANE	NA	3800 U	3900 U	NA	NA	NA
ISOPHORONE	NA	3800 U	3900 U	NA	NA	NA
NITROBENZENE	NA	3800 U	3900 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	3800 U	3900 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	3800 U	3900 U	NA	NA	NA
PENTACHLOROPHENOL	NA	9500 U	9900 U	NA	NA	NA
PHENOL	NA	3800 U	3900 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
ACENAPHTHENE	NA	3800 U	3900 U	NA	NA	NA
ACENAPHTHYLENE	NA	3800 U	3900 U	NA	NA	NA
ANTHRACENE	NA	3800 U	3900 U	NA	NA	NA
BAP EQUIVALENT-HALFND	38.0	3098	2918	1.5 U	3.4	27.3
BAP EQUIVALENT-POS	37.2	799	773	1.5 U	1.8	26.5
BENZO(A)ANTHRACENE	24	480 J	490 J	1.1 U	8.8	20
BENZO(A)PYRENE	29	750 J	670 J	1.5 U	1.5 U	21
BENZO(B)FLUORANTHENE	34	3800 U	480 J	1.4 U	9.2	22
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	3800 U	3900 U	NA	NA	NA
BENZO(K)FLUORANTHENE	10	3800 U	560 J	1.9 U	2 U	10
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	24	760 J	690 J	1 U	9.7	26
DIBENZO(A,H)ANTHRACENE	1.6 U	3800 U	3900 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	730 J	670 J	NA	NA	NA
FLUORENE	NA	3800 U	3900 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	23	3800 U	3900 U	1.7 U	1.8 U	12
NAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
PHENANTHRENE	NA	3800 U	3900 U	NA	NA	NA
PYRENE	NA	1700 J	1500 J	NA	NA	NA
TOTAL PAHS	144	4420	5060	0 U	27.7	111
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	280 U	290 U	NA	NA	NA
AROCLOR-1221	NA	280 U	290 U	NA	NA	NA
AROCLOR-1232	NA	280 U	290 U	NA	NA	NA
AROCLOR-1242	NA	280 U	290 U	NA	NA	NA
AROCLOR-1248	NA	280 U	290 U	NA	NA	NA
AROCLOR-1254	NA	280 U	290 U	NA	NA	NA
AROCLOR-1260	NA	280 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	2.6 UL	2.9 UL	NA	NA	NA
ARSENIC	NA	3.9	2.5	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	2.6 U	2.9 U	NA	NA	NA
CADMIUM	NA	2.6 U	2.9 U	NA	NA	NA
CHROMIUM	NA	30 J	14 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	8.3	8.1	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	9.5	6.4	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.11 U	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	8	7.4	NA	NA	NA
SELENIUM	NA	2.6 U	2.9 U	NA	NA	NA
SILVER	NA	2.6 UR	2.9 UR	NA	NA	NA
THALLIUM	NA	2.1 U	2.3 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	26 UL	29 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	12000	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	110 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2034	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BAP EQUIVALENT-POS	2034	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BENZO(A)ANTHRACENE	1700	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1400	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BENZO(B)FLUORANTHENE	1800	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	660	2.1 U	2.2 U	2.2 U	2.15 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	210	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	660	1.8 U	1.9 U	1.9 U	1.85 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	7730	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
2-BUTANONE	NA	60 UL	59 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 UL	6 UL	NA	NA	NA
2-CHLOROTOLUENE	NA	6 UL	6 UL	NA	NA	NA
2-HEXANONE	NA	60 UL	59 UL	NA	NA	NA
4-CHLOROTOLUENE	NA	6 UL	6 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 UL	6 UL	NA	NA	NA
4-METHYL-2-PENTANONE	NA	60 UL	59 UL	NA	NA	NA
ACETONE	NA	60 UL	59 UL	NA	NA	NA
BENZENE	NA	6 UL	6 UL	NA	NA	NA
BROMOBENZENE	NA	6 UL	6 UL	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
BROMOFORM	NA	6 UL	6 UL	NA	NA	NA
BROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
CARBON DISULFIDE	NA	6 UL	6 UL	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 UL	6 UL	NA	NA	NA
CHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
CHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
CHLOROFORM	NA	6 UL	6 UL	NA	NA	NA
CHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
DIBROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
M+P-XYLENES	NA	12 UL	12 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 UL	6 UL	NA	NA	NA
METHYLENE CHLORIDE	NA	6 UL	6 UL	NA	NA	NA
NAPHTHALENE	NA	6 UL	6 UL	NA	NA	NA
N-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
N-PROPYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
O-XYLENE	NA	6 UL	6 UL	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
STYRENE	NA	6 UL	6 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TOLUENE	NA	6 UL	6 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
TRICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
VINYL ACETATE	NA	6 UL	6 UL	NA	NA	NA
VINYL CHLORIDE	NA	6 UL	6 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	420 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	420 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1000 U	1000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	NA	1000 U	1000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	420 U	400 U	NA	NA	NA
2-CHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA
2-NITROPHENOL	NA	420 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	420 U	400 U	NA	NA	NA
3-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	960 U	920 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
4-CHLOROANILINE	NA	420 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1000 U	1000 U	NA	NA	NA
ACETOPHENONE	NA	420 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	420 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	420 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	420 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
CAPROLACTAM	NA	420 U	400 U	NA	NA	NA
CARBAZOLE	NA	420 U	400 U	NA	NA	NA
DIBENZOFURAN	NA	420 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROETHANE	NA	420 U	400 U	NA	NA	NA
ISOPHORONE	NA	420 U	400 U	NA	NA	NA
NITROBENZENE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	420 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	NA	1000 U	1000 U	NA	NA	NA
PHENOL	NA	420 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	NA	420 U	400 U	NA	NA	NA
ANTHRACENE	NA	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	420 U	400 U	361	852	1343
BAP EQUIVALENT-POS	1.5 U	420 U	400 U	361	852	1343
BENZO(A)ANTHRACENE	1.1 U	420 U	400 U	240 J	495	750 J
BENZO(A)PYRENE	1.5 U	420 U	400 U	240 J	530	820 J
BENZO(B)FLUORANTHENE	1.4 U	420 U	400 U	300 J	900	1500 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	420 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	420 U	400 U	140 J	310	480 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	420 U	400 U	270 J	685	1100 J
DIBENZO(A,H)ANTHRACENE	1.5 U	420 U	400 U	50 J	140	230 J
FLUORANTHENE	NA	420 U	45 J	NA	NA	NA
FLUORENE	NA	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	420 U	400 U	150 J	385	620 J
NAPHTHALENE	NA	420 U	400 U	NA	NA	NA
PHENANTHRENE	NA	420 U	400 U	NA	NA	NA
PYRENE	NA	420 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	45	1390	3445	5500
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	300 U	290 U	NA	NA	NA
AROCLOR-1221	NA	300 U	290 U	NA	NA	NA
AROCLOR-1232	NA	300 U	290 U	NA	NA	NA
AROCLOR-1242	NA	300 U	290 U	NA	NA	NA
AROCLOR-1248	NA	300 U	290 U	NA	NA	NA
AROCLOR-1254	NA	300 U	290 U	NA	NA	NA
AROCLOR-1260	NA	300 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UL	2.6 UL	NA	NA	NA
ARSENIC	NA	1 K	2.4	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 U	2.6 U	NA	NA	NA
CADMIUM	NA	3.1 U	2.6 U	NA	NA	NA
CHROMIUM	NA	60 J	120 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	15 J	21 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	11 K	24 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.14	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	21 K	10 K	NA	NA	NA
SELENIUM	NA	3.1 U	2.6 U	NA	NA	NA
SILVER	NA	3.1 UR	2.6 UR	NA	NA	NA
THALLIUM	NA	2.5 U	2.1 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	58 L	110	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	120 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19.9	1.5 U	1.5 U	44.8	32.7	1.6 U
BAP EQUIVALENT-POS	18.9	1.5 U	1.5 U	44.0	31.9	1.6 U
BENZO(A)ANTHRACENE	14	1.1 U	1.1 U	29	25	1.2 U
BENZO(A)PYRENE	16	1.5 U	1.5 U	35	25	1.6 U
BENZO(B)FLUORANTHENE	15	1.4 U	1.4 U	39	28	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	2 U	1.9 U	17	14	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1.1 U	1 U	26	25	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.5 U	1.5 U	1.7 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.7 U	20	14	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	65	0 U	0 U	166	131	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	13.8	1.5 U	203	42.3	1.6 U	1.55 U
BAP EQUIVALENT-POS	12.8	1.5 U	203	42.3	1.6 U	1.55 U
BENZO(A)ANTHRACENE	8.2	1.1 U	170	31	1.1 U	1.1 U
BENZO(A)PYRENE	12	1.5 U	140	26	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	140	27	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	59	16	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	13	1.1 U	180	32	1.1 U	1.05 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	24	8.6	1.6 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	70	17	1.8 U	1.75 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	33.2	0 U	783	157.6	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	346	2.9	3.2	101.4	1.6 U
BAP EQUIVALENT-POS	1.5 U	346	1.3	1.6	101.4	1.6 U
BENZO(A)ANTHRACENE	1.1 U	120	1.1 U	1.1 U	28	1.2 U
BENZO(A)PYRENE	1.5 U	250	1.5 U	1.5 U	73	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	290	1.4 U	1.4 U	84	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	99	1.9 U	1.9 U	21	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	150	1 U	1 U	55	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	36	1.5 U	1.5 U	12	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	180	13	16	49	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1125	13	16	322	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DIBROMOETHANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
2-BUTANONE	NA	NA	NA	66 UL	60 UL	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	7 UL	6 UL	NA
2-CHLOROTOLUENE	NA	NA	NA	7 UL	6 UL	NA
2-HEXANONE	NA	NA	NA	66 UL	60 UL	NA
4-CHLOROTOLUENE	NA	NA	NA	7 UL	6 UL	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	7 UL	6 UL	NA
4-METHYL-2-PENTANONE	NA	NA	NA	66 UL	60 UL	NA
ACETONE	NA	NA	NA	66 UL	60 UL	NA
BENZENE	NA	NA	NA	7 UL	6 UL	NA
BROMOBENZENE	NA	NA	NA	7 UL	6 UL	NA
BROMOCHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
BROMODICHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
BROMOFORM	NA	NA	NA	7 UL	6 UL	NA
BROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
CARBON DISULFIDE	NA	NA	NA	7 UL	6 UL	NA
CARBON TETRACHLORIDE	NA	NA	NA	7 UL	6 UL	NA
CHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
CHLORODIBROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
CHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
CHLOROFORM	NA	NA	NA	7 UL	6 UL	NA
CHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
DIBROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
M+P-XYLENES	NA	NA	NA	13 UL	12 UL	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	7 UL	6 UL	NA
METHYLENE CHLORIDE	NA	NA	NA	7 UL	6 UL	NA
NAPHTHALENE	NA	NA	NA	7 UL	6 UL	NA
N-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
N-PROPYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
O-XYLENE	NA	NA	NA	7 UL	6 UL	NA
SEC-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
STYRENE	NA	NA	NA	7 UL	6 UL	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TOLUENE	NA	NA	NA	7 UL	6 UL	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
TRICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
VINYL ACETATE	NA	NA	NA	7 UL	6 UL	NA
VINYL CHLORIDE	NA	NA	NA	7 UL	6 UL	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	450 U	400 U	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	450 U	400 U	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	1100 U	1000 U	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DICHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DINITROPHENOL	NA	NA	NA	1100 U	1000 U	NA
2,4-DINITROTOLUENE	NA	NA	NA	450 U	400 U	NA
2,6-DINITROTOLUENE	NA	NA	NA	450 U	400 U	NA
2-CHLORONAPHTHALENE	NA	NA	NA	450 U	400 U	NA
2-CHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
2-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA
2-NITROPHENOL	NA	NA	NA	450 U	400 U	NA
3&4-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	450 U	400 U	NA
3-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	1000 U	930 U	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	450 U	400 U	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
4-CHLOROANILINE	NA	NA	NA	450 U	400 U	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	450 U	400 U	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	1100 U	1000 U	NA
ACETOPHENONE	NA	NA	NA	450 U	400 U	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	450 U	400 U	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	450 U	400 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	450 U	400 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	450 U	41 J	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
CAPROLACTAM	NA	NA	NA	450 U	400 U	NA
CARBAZOLE	NA	NA	NA	450 U	400 U	NA
DIBENZOFURAN	NA	NA	NA	450 U	400 U	NA
DIETHYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DIMETHYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROBENZENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROBUTADIENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROETHANE	NA	NA	NA	450 U	400 U	NA
ISOPHORONE	NA	NA	NA	450 U	400 U	NA
NITROBENZENE	NA	NA	NA	450 U	400 U	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	450 U	400 U	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	450 U	400 U	NA
PENTACHLOROPHENOL	NA	NA	NA	1100 U	1000 U	NA
PHENOL	NA	NA	NA	450 U	400 U	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	450 U	400 U	NA
ACENAPHTHENE	NA	NA	NA	450 U	400 U	NA
ACENAPHTHYLENE	NA	NA	NA	450 U	400 U	NA
ANTHRACENE	NA	NA	NA	450 U	400 U	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	450 U	400 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	450 U	400 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	450 U	400 U	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	450 U	400 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	450 U	400 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
FLUORANTHENE	NA	NA	NA	450 U	400 U	NA
FLUORENE	NA	NA	NA	450 U	400 U	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	450 U	400 U	1.8 U
NAPHTHALENE	NA	NA	NA	450 U	400 U	NA
PHENANTHRENE	NA	NA	NA	450 U	400 U	NA
PYRENE	NA	NA	NA	450 U	400 U	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	330 U	290 U	NA
AROCLOR-1221	NA	NA	NA	330 U	290 U	NA
AROCLOR-1232	NA	NA	NA	330 U	290 U	NA
AROCLOR-1242	NA	NA	NA	330 U	290 U	NA
AROCLOR-1248	NA	NA	NA	330 U	290 U	NA
AROCLOR-1254	NA	NA	NA	330 U	290 U	NA
AROCLOR-1260	NA	NA	NA	330 U	290 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3.2 UL	2.6 UL	NA
ARSENIC	NA	NA	NA	1.8	0.51 U	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3.2 U	2.6 U	NA
CADMIUM	NA	NA	NA	3.2 U	2.6 U	NA
CHROMIUM	NA	NA	NA	19 J	12 J	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	8.7 J	4 J	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	6.3 K	2.6 U	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.13 U	0.1 U	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	3.2 U	3.7 K	NA
SELENIUM	NA	NA	NA	3.2 U	2.6 U	NA
SILVER	NA	NA	NA	3.2 UR	2.6 UR	NA
THALLIUM	NA	NA	NA	2.6 U	2.1 U	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	32 UL	26 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	13000 U	12000 U	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	140 U	120 U	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.6 U	1.5 U	1.5 U	48.1	1.5 U
BAP EQUIVALENT-POS	1.55 U	1.6 U	1.5 U	1.5 U	47.3	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	21	1.1 U
BENZO(A)PYRENE	1.55 U	1.6 U	1.5 U	1.5 U	39	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	39	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	17	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	21	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	171	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	256	1.5 U	14.1	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	256	1.5 U	13.2	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	91	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	180	1.5 U	11	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	210	1.4 U	12	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	65	2 U	2.2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	110	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	33	1.5 U	1.7 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	120	1.8 U	10	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	809	0 U	33	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)					
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)					
4-NITROPHENOL	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	656	1.6 U	10.4	1.5 U	31.2
BAP EQUIVALENT-POS	656	1.6 U	9.5	1.5 U	30.4
BENZO(A)ANTHRACENE	150	1.1 U	1.1 U	1.1 U	22
BENZO(A)PYRENE	450	1.6 U	8.4	1.5 U	24
BENZO(B)FLUORANTHENE	440	1.4 U	11	1.4 U	28
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	2 U	2 U	1.9 U	11
C1-CHRYSENES	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI					
C2-NAPHTHALENES	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
CHRYSENE	220	1.1 U	8.7	1 U	25
DIBENZO(A,H)ANTHRACENE	110	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	350	1.8 U	1.8 U	1.7 U	13
NAPHTHALENE	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA
TOTAL PAHS	1870	0 U	28.1	0 U	123
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
METALS (CONTINUED) (MG/KG)					
BERYLLIUM	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	44.1	69.4	153	214	77.1
BAP EQUIVALENT-POS	1.5 U	43.3	68.7	152	213	76.4
BENZO(A)ANTHRACENE	1.1 U	29	48	92	130	54
BENZO(A)PYRENE	1.5 U	34	54	120	170	59
BENZO(B)FLUORANTHENE	1.4 U	41	63	140	180	76
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	17	30	60	89	34
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	34	52	100	140	57
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	21	32	82	110	40
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	176	279	594	819	320
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
2-BUTANONE	NA	NA	58 U	58 U	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	6 U	NA	NA
2-CHLOROTOLUENE	NA	NA	6 U	6 U	NA	NA
2-HEXANONE	NA	NA	58 U	58 U	NA	NA
4-CHLOROTOLUENE	NA	NA	6 U	6 U	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 U	6 U	NA	NA
4-METHYL-2-PENTANONE	NA	NA	58 U	58 U	NA	NA
ACETONE	NA	NA	58 U	58 U	NA	NA
BENZENE	NA	NA	6 U	6 U	NA	NA
BROMOBENZENE	NA	NA	6 U	6 U	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
BROMOFORM	NA	NA	6 U	6 U	NA	NA
BROMOMETHANE	NA	NA	6 U	6 U	NA	NA
CARBON DISULFIDE	NA	NA	6 U	6 U	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 U	6 U	NA	NA
CHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 U	6 U	NA	NA
CHLOROETHANE	NA	NA	6 U	6 U	NA	NA
CHLOROFORM	NA	NA	6 U	6 U	NA	NA
CHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
DIBROMOMETHANE	NA	NA	6 U	6 U	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 U	6 U	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	6 U	NA	NA
M+P-XYLENES	NA	NA	12 U	12 U	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 U	6 U	NA	NA
METHYLENE CHLORIDE	NA	NA	6 U	10 J	NA	NA
NAPHTHALENE	NA	NA	6 U	6 U	NA	NA
N-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
N-PROPYLBENZENE	NA	NA	6 U	6 U	NA	NA
O-XYLENE	NA	NA	6 U	6 U	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
STYRENE	NA	NA	6 U	6 U	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TOLUENE	NA	NA	6 U	6 U	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
TRICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 U	6 U	NA	NA
VINYL ACETATE	NA	NA	6 U	6 U	NA	NA
VINYL CHLORIDE	NA	NA	6 U	6 U	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	400 U	390 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	400 U	390 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	990 U	980 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DINITROPHENOL	NA	NA	990 U	980 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	400 U	390 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	400 U	390 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	400 U	390 U	NA	NA
2-CHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
2-NITROANILINE	NA	NA	990 U	980 U	NA	NA
2-NITROPHENOL	NA	NA	400 U	390 U	NA	NA
3&4-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	400 U	390 U	NA	NA
3-NITROANILINE	NA	NA	990 U	980 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	910 U	900 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	400 U	390 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
4-CHLOROANILINE	NA	NA	400 U	390 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	400 U	390 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	990 U	980 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	990 U	980 U	NA	NA
ACETOPHENONE	NA	NA	400 U	390 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	400 U	390 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	400 U	390 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	400 U	390 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	400 U	390 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
CAPROLACTAM	NA	NA	400 U	390 U	NA	NA
CARBAZOLE	NA	NA	400 U	390 U	NA	NA
DIBENZOFURAN	NA	NA	400 U	390 U	NA	NA
DIETHYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROBENZENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROETHANE	NA	NA	400 U	390 U	NA	NA
ISOPHORONE	NA	NA	400 U	390 U	NA	NA
NITROBENZENE	NA	NA	400 U	390 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	400 U	390 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	400 U	390 U	NA	NA
PENTACHLOROPHENOL	NA	NA	990 U	980 U	NA	NA
PHENOL	NA	NA	400 U	390 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	400 U	390 U	NA	NA
ACENAPHTHENE	NA	NA	400 U	390 U	NA	NA
ACENAPHTHYLENE	NA	NA	400 U	390 U	NA	NA
ANTHRACENE	NA	NA	400 U	390 U	NA	NA
BAP EQUIVALENT-HALFND	65.6	1347	400 U	390 U	61.3	4212
BAP EQUIVALENT-POS	64.8	1346	400 U	390 U	60.5	4212
BENZO(A)ANTHRACENE	46	590	400 U	390 U	46	2400
BENZO(A)PYRENE	51	1100	400 U	390 U	47	3000
BENZO(B)FLUORANTHENE	57	1100	400 U	390 U	61	3100
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	400 U	390 U	NA	NA
BENZO(K)FLUORANTHENE	30	460	400 U	390 U	27	970
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	48	670	400 U	390 U	47	2100
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	400 U	390 U	1.5 U	520
FLUORANTHENE	NA	NA	400 U	390 U	NA	NA
FLUORENE	NA	NA	400 U	390 U	NA	NA
INDENO(1,2,3-CD)PYRENE	32	720	400 U	390 U	25	1300
NAPHTHALENE	NA	NA	400 U	390 U	NA	NA
PHENANTHRENE	NA	NA	400 U	390 U	NA	NA
PYRENE	NA	NA	45 J	390 U	NA	NA
TOTAL PAHS	264	4640	45	0 U	253	13390
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	290 U	290 U	NA	NA
AROCLOR-1221	NA	NA	290 U	290 U	NA	NA
AROCLOR-1232	NA	NA	290 U	290 U	NA	NA
AROCLOR-1242	NA	NA	290 U	290 U	NA	NA
AROCLOR-1248	NA	NA	290 U	290 U	NA	NA
AROCLOR-1254	NA	NA	290 U	290 U	NA	NA
AROCLOR-1260	NA	NA	290 U	290 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.5 UL	2.7 UL	NA	NA
ARSENIC	NA	NA	1.7	0.53 U	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.5 U	2.7 U	NA	NA
CADMIUM	NA	NA	2.5 U	2.7 U	NA	NA
CHROMIUM	NA	NA	16 J	3.6 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	11	2.7 U	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	7.8	2.7 U	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.1 U	0.11 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	11	2.7 U	NA	NA
SELENIUM	NA	NA	2.5 U	2.7 U	NA	NA
SILVER	NA	NA	2.5 UR	2.7 UR	NA	NA
THALLIUM	NA	NA	2 U	2.1 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	38 J	27 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	12000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	120 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	239	4863	62.3	282	434	264
BAP EQUIVALENT-POS	239	4863	61.5	282	434	264
BENZO(A)ANTHRACENE	130	4500	46	200	320 J	185
BENZO(A)PYRENE	170	3300	47	200	300 J	184
BENZO(B)FLUORANTHENE	190	5300	64	220	340 J	200.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	70	950	26	110	160 J	99.5
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	140	3800	47	180	310 J	181
DIBENZO(A,H)ANTHRACENE	27	430	1.5 U	28	51 J	31
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	92	1400	32	110	150 J	96.5
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	819	19680	262	1048	1631	977.5
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	95	1.5 U	174	45.8	131	1.5 U
BAP EQUIVALENT-POS	95	1.5 U	174	45.1	121	1.5 U
BENZO(A)ANTHRACENE	50 J	1.1 U	130	32	110	1.1 U
BENZO(A)PYRENE	68 J	1.5 U	120	35	110	1.5 U
BENZO(B)FLUORANTHENE	61 J	1.4 U	160	40	15 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39 J	2 U	60	16	21 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	52 J	1.1 U	130	22	11 U	1.1 U
DIBENZO(A,H)ANTHRACENE	11 J	1.5 U	18	1.5 U	16 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	43 J	1.8 U	59	27	18 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	324	0 U	677	172	220	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	58.1	26.5	1.5 U	1.7 U	379	157
BAP EQUIVALENT-POS	57.3	9.9	1.5 U	1.7 U	379	157
BENZO(A)ANTHRACENE	36	11 U	1.1 U	1.2 U	260	90
BENZO(A)PYRENE	45	15 U	1.5 U	1.7 U	260	110
BENZO(B)FLUORANTHENE	57	99	1.4 U	1.6 U	340	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	15	20 U	2 U	2.2 U	100	61
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	30	11 U	1 U	1.2 U	270	110
DIBENZO(A,H)ANTHRACENE	1.7 U	15 U	1.5 U	1.7 U	44	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	28	18 U	1.7 U	1.9 U	140	69
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	211	99	0 U	0 U	1414	569
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
2-BUTANONE	NA	NA	NA	NA	NA	60 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 UL
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
2-HEXANONE	NA	NA	NA	NA	NA	60 UL
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 UL
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	60 UL
ACETONE	NA	NA	NA	NA	NA	60 UL
BENZENE	NA	NA	NA	NA	NA	6 UL
BROMOBENZENE	NA	NA	NA	NA	NA	6 UL
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMOFORM	NA	NA	NA	NA	NA	6 UL
BROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 UL
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 UL
CHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROFORM	NA	NA	NA	NA	NA	6 UL
CHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
M+P-XYLENES	NA	NA	NA	NA	NA	12 UL
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 UL
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 UL
NAPHTHALENE	NA	NA	NA	NA	NA	6 UL
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
O-XYLENE	NA	NA	NA	NA	NA	6 UL
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
STYRENE	NA	NA	NA	NA	NA	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TOLUENE	NA	NA	NA	NA	NA	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
VINYL ACETATE	NA	NA	NA	NA	NA	6 UL
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	410 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	410 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	1000 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	1000 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	410 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	410 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	410 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
2-NITROANILINE	NA	NA	NA	NA	NA	1000 U
2-NITROPHENOL	NA	NA	NA	NA	NA	410 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	410 U
3-NITROANILINE	NA	NA	NA	NA	NA	1000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	940 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	410 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	410 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	410 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	1000 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	1000 U
ACETOPHENONE	NA	NA	NA	NA	NA	410 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	410 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	410 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	410 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	410 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	410 U
CAPROLACTAM	NA	NA	NA	NA	NA	410 U
CARBAZOLE	NA	NA	NA	NA	NA	410 U
DIBENZOFURAN	NA	NA	NA	NA	NA	410 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	76 J
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	410 U
ISOPHORONE	NA	NA	NA	NA	NA	410 U
NITROBENZENE	NA	NA	NA	NA	NA	410 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	410 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	410 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	1000 U
PHENOL	NA	NA	NA	NA	NA	410 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	410 U
ACENAPHTHENE	NA	NA	NA	NA	NA	410 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	410 U
ANTHRACENE	NA	NA	NA	NA	NA	410 U
BAP EQUIVALENT-HALFND	9.4	1.7 U	40.4	20.9	1.7 U	354
BAP EQUIVALENT-POS	8.4	1.7 U	39.7	20.0	1.7 U	149
BENZO(A)ANTHRACENE	1.2 U	1.2 U	21	13	1.3 U	110 J
BENZO(A)PYRENE	8.4	1.7 U	32	16	1.7 U	120 J
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	36	17	1.6 U	84 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	110 J
BENZO(K)FLUORANTHENE	2.1 U	2.2 U	13	2.2 U	2.3 U	140 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	32	18	1.2 U	150 J
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U	410 U
FLUORANTHENE	NA	NA	NA	NA	NA	150 J
FLUORENE	NA	NA	NA	NA	NA	410 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	18	9.9	2 U	79 J
NAPHTHALENE	NA	NA	NA	NA	NA	410 U
PHENANTHRENE	NA	NA	NA	NA	NA	49 J
PYRENE	NA	NA	NA	NA	NA	250 J
TOTAL PAHS	8.4	0 U	152	73.9	0 U	1242
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	300 U
AROCLOR-1221	NA	NA	NA	NA	NA	300 U
AROCLOR-1232	NA	NA	NA	NA	NA	300 U
AROCLOR-1242	NA	NA	NA	NA	NA	300 U
AROCLOR-1248	NA	NA	NA	NA	NA	300 U
AROCLOR-1254	NA	NA	NA	NA	NA	300 U
AROCLOR-1260	NA	NA	NA	NA	NA	300 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	3 UL
ARSENIC	NA	NA	NA	NA	NA	1.2 K
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	3 U
CADMIUM	NA	NA	NA	NA	NA	3 U
CHROMIUM	NA	NA	NA	NA	NA	22 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	13 J
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	9 K
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	16 K
SELENIUM	NA	NA	NA	NA	NA	3 U
SILVER	NA	NA	NA	NA	NA	3 UR
THALLIUM	NA	NA	NA	NA	NA	2.4 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	36 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	120 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
2-BUTANONE	68 UL	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	7 UL	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	7 UL	NA	NA	NA	NA	NA
2-HEXANONE	68 UL	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	7 UL	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	7 UL	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	68 UL	NA	NA	NA	NA	NA
ACETONE	68 UL	NA	NA	NA	NA	NA
BENZENE	7 UL	NA	NA	NA	NA	NA
BROMOBENZENE	7 UL	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
BROMOFORM	7 UL	NA	NA	NA	NA	NA
BROMOMETHANE	7 UL	NA	NA	NA	NA	NA
CARBON DISULFIDE	7 UL	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	7 UL	NA	NA	NA	NA	NA
CHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	7 UL	NA	NA	NA	NA	NA
CHLOROETHANE	7 UL	NA	NA	NA	NA	NA
CHLOROFORM	7 UL	NA	NA	NA	NA	NA
CHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
DIBROMOMETHANE	7 UL	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	7 UL	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 UL	NA	NA	NA	NA	NA
M+P-XYLENES	14 UL	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	7 UL	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	7 UL	NA	NA	NA	NA	NA
NAPHTHALENE	7 UL	NA	NA	NA	NA	NA
N-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
N-PROPYLBENZENE	7 UL	NA	NA	NA	NA	NA
O-XYLENE	7 UL	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
STYRENE	7 UL	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TOLUENE	7 UL	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
TRICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	7 UL	NA	NA	NA	NA	NA
VINYL ACETATE	7 UL	NA	NA	NA	NA	NA
VINYL CHLORIDE	7 UL	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	450 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	450 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	450 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	450 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	450 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	450 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	450 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	450 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	450 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	450 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	450 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	450 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	450 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	450 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	450 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	450 U	NA	NA	NA	NA	NA
CAPROLACTAM	450 U	NA	NA	NA	NA	NA
CARBAZOLE	450 U	NA	NA	NA	NA	NA
DIBENZOFURAN	450 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	450 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	450 U	NA	NA	NA	NA	NA
ISOPHORONE	450 U	NA	NA	NA	NA	NA
NITROBENZENE	450 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	450 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	450 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	450 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	450 U	NA	NA	NA	NA	NA
ACENAPHTHENE	450 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	450 U	NA	NA	NA	NA	NA
ANTHRACENE	450 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	450 U	11.5	1.5 U	1.6 U	1.6 U	46.3
BAP EQUIVALENT-POS	450 U	10.5	1.5 U	1.6 U	1.6 U	45.5
BENZO(A)ANTHRACENE	450 U	1.1 U	1.1 U	1.2 U	1.1 U	36
BENZO(A)PYRENE	450 U	9.4	1.5 U	1.6 U	1.6 U	35
BENZO(B)FLUORANTHENE	450 U	11	1.4 U	1.5 U	1.5 U	49
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	450 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	450 U	2 U	2 U	2.1 U	2.1 U	12
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	450 U	1.1 U	1.1 U	1.1 U	1.1 U	37
DIBENZO(A,H)ANTHRACENE	450 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	450 U	NA	NA	NA	NA	NA
FLUORENE	450 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	450 U	1.8 U	1.8 U	1.8 U	1.8 U	18
NAPHTHALENE	450 U	NA	NA	NA	NA	NA
PHENANTHRENE	450 U	NA	NA	NA	NA	NA
PYRENE	450 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	20.4	0 U	0 U	0 U	187
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	330 U	NA	NA	NA	NA	NA
AROCLOR-1221	330 U	NA	NA	NA	NA	NA
AROCLOR-1232	330 U	NA	NA	NA	NA	NA
AROCLOR-1242	330 U	NA	NA	NA	NA	NA
AROCLOR-1248	330 U	NA	NA	NA	NA	NA
AROCLOR-1254	330 U	NA	NA	NA	NA	NA
AROCLOR-1260	330 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.2 UL	NA	NA	NA	NA	NA
ARSENIC	0.65 U	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.2 U	NA	NA	NA	NA	NA
CADMIUM	3.2 U	NA	NA	NA	NA	NA
CHROMIUM	22 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	13 J	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	4.5 K	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	15 K	NA	NA	NA	NA	NA
SELENIUM	3.2 U	NA	NA	NA	NA	NA
SILVER	3.2 UR	NA	NA	NA	NA	NA
THALLIUM	2.6 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	32 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	140 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
2-BUTANONE	NA	NA	NA	61 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	6 UL	NA	NA
2-HEXANONE	NA	NA	NA	61 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	61 UL	NA	NA
ACETONE	NA	NA	NA	61 UL	NA	NA
BENZENE	NA	NA	NA	6 UL	NA	NA
BROMOBENZENE	NA	NA	NA	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
BROMOFORM	NA	NA	NA	6 UL	NA	NA
BROMOMETHANE	NA	NA	NA	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	6 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	6 UL	NA	NA
CHLOROETHANE	NA	NA	NA	6 UL	NA	NA
CHLOROFORM	NA	NA	NA	6 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	6 UL	NA	NA
M+P-XYLENES	NA	NA	NA	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	6 UL	NA	NA
NAPHTHALENE	NA	NA	NA	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	6 UL	NA	NA
O-XYLENE	NA	NA	NA	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
STYRENE	NA	NA	NA	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TOLUENE	NA	NA	NA	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	6 UL	NA	NA
VINYL ACETATE	NA	NA	NA	6 UL	NA	NA
VINYL CHLORIDE	NA	NA	NA	6 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	410 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	410 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	1000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	1000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	410 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	410 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	410 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
2-NITROANILINE	NA	NA	NA	1000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	410 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	410 U	NA	NA
3-NITROANILINE	NA	NA	NA	1000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	940 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	410 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	410 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	410 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	1000 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	1000 U	NA	NA
ACETOPHENONE	NA	NA	NA	410 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	410 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	410 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	410 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	410 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	410 U	NA	NA
CAPROLACTAM	NA	NA	NA	410 U	NA	NA
CARBAZOLE	NA	NA	NA	410 U	NA	NA
DIBENZOFURAN	NA	NA	NA	410 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	410 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	410 U	NA	NA
ISOPHORONE	NA	NA	NA	410 U	NA	NA
NITROBENZENE	NA	NA	NA	410 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	410 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	410 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	1000 U	NA	NA
PHENOL	NA	NA	NA	410 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	410 U	NA	NA
ACENAPHTHENE	NA	NA	NA	410 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	410 U	NA	NA
ANTHRACENE	NA	NA	NA	410 U	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	410 U	1.5 U	15.1
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	410 U	1.5 U	14.3
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.1 U	410 U	1.1 U	9.1
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	410 U	1.5 U	11
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.4 U	410 U	1.4 U	14
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	410 U	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	2 U	410 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	410 U	1.1 U	11
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	410 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	410 U	NA	NA
FLUORENE	NA	NA	NA	410 U	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	410 U	1.8 U	9.8
NAPHTHALENE	NA	NA	NA	410 U	NA	NA
PHENANTHRENE	NA	NA	NA	410 U	NA	NA
PYRENE	NA	NA	NA	410 U	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	54.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	300 U	NA	NA
AROCLOR-1221	NA	NA	NA	300 U	NA	NA
AROCLOR-1232	NA	NA	NA	300 U	NA	NA
AROCLOR-1242	NA	NA	NA	300 U	NA	NA
AROCLOR-1248	NA	NA	NA	300 U	NA	NA
AROCLOR-1254	NA	NA	NA	300 U	NA	NA
AROCLOR-1260	NA	NA	NA	300 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3 UL	NA	NA
ARSENIC	NA	NA	NA	0.79 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3 U	NA	NA
CADMIUM	NA	NA	NA	3 U	NA	NA
CHROMIUM	NA	NA	NA	26 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	22 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	13 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.14	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	18 K	NA	NA
SELENIUM	NA	NA	NA	3 U	NA	NA
SILVER	NA	NA	NA	3 UR	NA	NA
THALLIUM	NA	NA	NA	2.4 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	30 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.9 U	1.9 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
2-BUTANONE	NA	62 U	60 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
2-HEXANONE	NA	62 U	60 U	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	62 U	60 U	NA	NA	NA
ACETONE	NA	62 U	60 U	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
M+P-XYLENES	NA	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	8 J	8 J	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	420 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	420 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1100 U	1000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	NA	1100 U	1000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	420 U	400 U	NA	NA	NA
2-CHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA
2-NITROPHENOL	NA	420 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	420 U	400 U	NA	NA	NA
3-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	970 U	920 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
4-CHLOROANILINE	NA	420 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1100 U	1000 U	NA	NA	NA
ACETOPHENONE	NA	420 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	420 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	420 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	420 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
CAPROLACTAM	NA	420 U	400 U	NA	NA	NA
CARBAZOLE	NA	420 U	400 U	NA	NA	NA
DIBENZOFURAN	NA	420 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	420 UJ	400 UJ	NA	NA	NA
HEXACHLOROBENZENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROETHANE	NA	420 U	400 U	NA	NA	NA
ISOPHORONE	NA	420 U	400 U	NA	NA	NA
NITROBENZENE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	420 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	NA	1100 U	1000 U	NA	NA	NA
PHENOL	NA	420 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	NA	420 U	400 U	NA	NA	NA
ANTHRACENE	NA	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	420 U	400 U	1.5 U	1.5 U	46.9
BAP EQUIVALENT-POS	1.6 U	420 U	400 U	1.5 U	1.5 U	46.1
BENZO(A)ANTHRACENE	1.2 U	420 U	400 U	1.1 U	1.1 U	53
BENZO(A)PYRENE	1.6 U	420 UJ	400 UJ	1.5 U	1.5 U	35
BENZO(B)FLUORANTHENE	1.5 U	420 UJ	400 UJ	1.4 U	1.4 U	39
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	420 UJ	400 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	420 UJ	400 UJ	1.9 U	2 U	17
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	420 U	400 U	1 U	1.1 U	58
DIBENZO(A,H)ANTHRACENE	1.6 U	420 UJ	400 UJ	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	420 U	400 U	NA	NA	NA
FLUORENE	NA	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	420 UJ	400 UJ	1.7 U	1.8 U	17
NAPHTHALENE	NA	420 U	400 U	NA	NA	NA
PHENANTHRENE	NA	420 U	400 U	NA	NA	NA
PYRENE	NA	420 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	219
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	310 U	290 U	NA	NA	NA
AROCLOR-1221	NA	310 U	290 U	NA	NA	NA
AROCLOR-1232	NA	310 U	290 U	NA	NA	NA
AROCLOR-1242	NA	310 U	290 U	NA	NA	NA
AROCLOR-1248	NA	310 U	290 U	NA	NA	NA
AROCLOR-1254	NA	310 U	290 U	NA	NA	NA
AROCLOR-1260	NA	310 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UR	2.9 UR	NA	NA	NA
ARSENIC	NA	2 L	0.58 UL	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
CADMIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
CHROMIUM	NA	35	16	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	23 L	17 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	6.5 L	3 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	23	14	NA	NA	NA
SELENIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
SILVER	NA	3.1 UR	2.9 UR	NA	NA	NA
THALLIUM	NA	2.5 UL	2.3 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	31 U	29 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	13000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	130 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	57 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	57 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	57 U
ACETONE	NA	NA	NA	NA	NA	57 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	10 J
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	970 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	970 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	970 U
2-NITROPHENOL	NA	NA	NA	NA	NA	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	970 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	970 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	970 U
ACETOPHENONE	NA	NA	NA	NA	NA	390 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	390 U
CARBAZOLE	NA	NA	NA	NA	NA	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	61 J
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	390 U
ISOPHORONE	NA	NA	NA	NA	NA	390 U
NITROBENZENE	NA	NA	NA	NA	NA	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	970 U
PHENOL	NA	NA	NA	NA	NA	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	390 U
ANTHRACENE	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-HALFND	45.4	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BAP EQUIVALENT-POS	44.6	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BENZO(A)ANTHRACENE	61	1.2 U	1.1 U	1.15 U	1.2 U	390 U
BENZO(A)PYRENE	33	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BENZO(B)FLUORANTHENE	38	1.5 U	1.4 U	1.45 U	1.5 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	390 U
BENZO(K)FLUORANTHENE	15	2.1 U	2 U	2.05 U	2.1 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	75	1.1 U	1.1 U	1.1 U	1.1 U	390 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.55 U	1.6 U	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	390 U
FLUORENE	NA	NA	NA	NA	NA	390 U
INDENO(1,2,3-CD)PYRENE	15	1.8 U	1.8 U	1.8 U	1.8 U	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	390 U
PYRENE	NA	NA	NA	NA	NA	390 U
TOTAL PAHS	237	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	290 U
AROCLOR-1221	NA	NA	NA	NA	NA	290 U
AROCLOR-1232	NA	NA	NA	NA	NA	290 U
AROCLOR-1242	NA	NA	NA	NA	NA	290 U
AROCLOR-1248	NA	NA	NA	NA	NA	290 U
AROCLOR-1254	NA	NA	NA	NA	NA	290 U
AROCLOR-1260	NA	NA	NA	NA	NA	290 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.7 UL
ARSENIC	NA	NA	NA	NA	NA	1.4
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.7 U
CADMIUM	NA	NA	NA	NA	NA	2.7 U
CHROMIUM	NA	NA	NA	NA	NA	22 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	23
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	7.8
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	2.7 U
SELENIUM	NA	NA	NA	NA	NA	4
SILVER	NA	NA	NA	NA	NA	2.7 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	27 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	110 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	59 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	59 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	NA	NA	NA	NA	NA
ACETONE	59 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	400 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	990 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	990 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	400 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	400 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
2-NITROANILINE	990 U	NA	NA	NA	NA	NA
2-NITROPHENOL	400 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	NA	NA	NA	NA	NA
3-NITROANILINE	990 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	920 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	400 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	990 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	990 U	NA	NA	NA	NA	NA
ACETOPHENONE	400 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	NA	NA	NA	NA	NA
CAPROLACTAM	400 U	NA	NA	NA	NA	NA
CARBAZOLE	400 U	NA	NA	NA	NA	NA
DIBENZOFURAN	400 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	400 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	400 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	76 J	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	400 U	NA	NA	NA	NA	NA
ISOPHORONE	400 U	NA	NA	NA	NA	NA
NITROBENZENE	400 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	990 U	NA	NA	NA	NA	NA
PHENOL	400 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	NA	NA	NA	NA	NA
ACENAPHTHENE	400 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	400 U	NA	NA	NA	NA	NA
ANTHRACENE	400 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	1.5 U	3.335	1.5 U	62.2	1.5 U
BAP EQUIVALENT-POS	400 U	1.5 U	1.74	1.5 U	62.2	1.5 U
BENZO(A)ANTHRACENE	400 U	1.1 U	7.7	1.1 U	37	1.1 U
BENZO(A)PYRENE	400 U	1.5 U	1.5 U	1.5 U	39	1.5 U
BENZO(B)FLUORANTHENE	400 U	1.4 U	9.7	1.4 U	47	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	2 U	1.9 U	1.9 U	23	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	1 U	1 U	1 U	32	1.1 U
DIBENZO(A,H)ANTHRACENE	400 U	1.5 U	1.5 U	1.5 U	12	1.5 U
FLUORANTHENE	400 U	NA	NA	NA	NA	NA
FLUORENE	400 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	1.7 U	1.7 U	1.7 U	25	1.8 U
NAPHTHALENE	400 U	NA	NA	NA	NA	NA
PHENANTHRENE	400 U	NA	NA	NA	NA	NA
PYRENE	400 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	17.4	0 U	215	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	290 U	NA	NA	NA	NA	NA
AROCLOR-1221	290 U	NA	NA	NA	NA	NA
AROCLOR-1232	290 U	NA	NA	NA	NA	NA
AROCLOR-1242	290 U	NA	NA	NA	NA	NA
AROCLOR-1248	290 U	NA	NA	NA	NA	NA
AROCLOR-1254	290 U	NA	NA	NA	NA	NA
AROCLOR-1260	290 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3 UL	NA	NA	NA	NA	NA
ARSENIC	1.5	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3 U	NA	NA	NA	NA	NA
CADMIUM	3 U	NA	NA	NA	NA	NA
CHROMIUM	11 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	7.7	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	6.3	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	7.7	NA	NA	NA	NA	NA
SELENIUM	3 U	NA	NA	NA	NA	NA
SILVER	3 UR	NA	NA	NA	NA	NA
THALLIUM	2.4 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	35 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
2-BUTANONE	NA	NA	72 UL	59 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	7 UL	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	7 UL	6 UL	NA	NA
2-HEXANONE	NA	NA	72 UL	59 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	7 UL	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	7 UL	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	72 UL	59 UL	NA	NA
ACETONE	NA	NA	72 UL	59 UL	NA	NA
BENZENE	NA	NA	7 UL	6 UL	NA	NA
BROMOBENZENE	NA	NA	7 UL	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
BROMOFORM	NA	NA	7 UL	6 UL	NA	NA
BROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	7 UL	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	7 UL	6 UL	NA	NA
CHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
CHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
CHLOROFORM	NA	NA	7 UL	6 UL	NA	NA
CHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
M+P-XYLENES	NA	NA	14 UL	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	7 UL	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	7 UL	6 UL	NA	NA
NAPHTHALENE	NA	NA	7 UL	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
O-XYLENE	NA	NA	7 UL	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
STYRENE	NA	NA	7 UL	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TOLUENE	NA	NA	7 UL	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
VINYL ACETATE	NA	NA	7 UL	6 UL	NA	NA
VINYL CHLORIDE	NA	NA	7 UL	6 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	490 U	410 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	490 U	410 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	1200 U	1000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DINITROPHENOL	NA	NA	1200 U	1000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	490 U	410 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	490 U	410 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	490 U	410 U	NA	NA
2-CHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
2-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA
2-NITROPHENOL	NA	NA	490 U	410 U	NA	NA
3&4-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	490 U	410 U	NA	NA
3-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	1100 U	930 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	490 U	410 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
4-CHLOROANILINE	NA	NA	490 U	410 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	490 U	410 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	1200 U	1000 U	NA	NA
ACETOPHENONE	NA	NA	490 U	410 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	490 U	410 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	490 U	410 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	490 U	410 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	490 U	410 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
CAPROLACTAM	NA	NA	490 U	410 U	NA	NA
CARBAZOLE	NA	NA	490 U	410 U	NA	NA
DIBENZOFURAN	NA	NA	490 U	410 U	NA	NA
DIETHYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROBENZENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROETHANE	NA	NA	490 U	410 U	NA	NA
ISOPHORONE	NA	NA	490 U	410 U	NA	NA
NITROBENZENE	NA	NA	490 U	410 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	490 U	410 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	490 U	410 U	NA	NA
PENTACHLOROPHENOL	NA	NA	1200 U	1000 U	NA	NA
PHENOL	NA	NA	490 U	410 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	490 U	410 U	NA	NA
ACENAPHTHENE	NA	NA	490 U	410 U	NA	NA
ACENAPHTHYLENE	NA	NA	490 U	410 U	NA	NA
ANTHRACENE	NA	NA	490 U	410 U	NA	NA
BAP EQUIVALENT-HALFND	8.4	16.0	490 U	410 U	26.3	3.3
BAP EQUIVALENT-POS	8.0	15.2	490 U	410 U	21.2	1.7
BENZO(A)ANTHRACENE	6.775	13	490 U	410 U	14 J	8.3
BENZO(A)PYRENE	1.5 U	1.5 U	490 U	410 U	16 J	1.5 U
BENZO(B)FLUORANTHENE	7.85	15	490 U	410 U	22 J	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	490 U	410 U	NA	NA
BENZO(K)FLUORANTHENE	7	13	490 U	410 U	9.8 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	490 U	410 U	14 J	1 U
DIBENZO(A,H)ANTHRACENE	5.875	11	490 U	410 U	10 U	1.5 U
FLUORANTHENE	NA	NA	490 U	410 U	NA	NA
FLUORENE	NA	NA	490 U	410 U	NA	NA
INDENO(1,2,3-CD)PYRENE	6.95	13	490 U	410 U	16 J	1.7 U
NAPHTHALENE	NA	NA	490 U	410 U	NA	NA
PHENANTHRENE	NA	NA	490 U	410 U	NA	NA
PYRENE	NA	NA	490 U	410 U	NA	NA
TOTAL PAHS	32.5	65	0 U	0 U	82	16.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	360 U	300 U	NA	NA
AROCLOR-1221	NA	NA	360 U	300 U	NA	NA
AROCLOR-1232	NA	NA	360 U	300 U	NA	NA
AROCLOR-1242	NA	NA	360 U	300 U	NA	NA
AROCLOR-1248	NA	NA	360 U	300 U	NA	NA
AROCLOR-1254	NA	NA	360 U	300 U	NA	NA
AROCLOR-1260	NA	NA	360 U	300 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	3.6 UL	2.7 UL	NA	NA
ARSENIC	NA	NA	1.2 K	1.2 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	3.6 U	2.7 U	NA	NA
CADMIUM	NA	NA	3.6 U	2.7 U	NA	NA
CHROMIUM	NA	NA	41 J	13 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	9.1 J	31 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	4.3 K	11 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.14 U	0.11 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	3.6 U	27 K	NA	NA
SELENIUM	NA	NA	3.6 U	2.7 U	NA	NA
SILVER	NA	NA	3.6 UR	2.7 UR	NA	NA
THALLIUM	NA	NA	2.9 U	2.2 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	36 UL	50 L	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	17000	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	150 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	26.2	23.6	208	417	367	1801
BAP EQUIVALENT-POS	26.2	22.9	208	417	367	1801
BENZO(A)ANTHRACENE	13	21	120	190	180	930
BENZO(A)PYRENE	12	17	140	300	260	1200
BENZO(B)FLUORANTHENE	14	22	170	350	300	1400
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13	14	67	8.4 U	8.2 U	8.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	15	23	130	190	180	850
DIBENZO(A,H)ANTHRACENE	10	1.5 U	30	42	41	270
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	14	14	84	210	180	970
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	91	111	741	1282	1141	5620
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	112	203	135	187	5503	2.8
BAP EQUIVALENT-POS	112	203	135	187	5503	1.0
BENZO(A)ANTHRACENE	88	160	91	130	4600	1.2 UJ
BENZO(A)PYRENE	76	140	91	130	3800	1.6 UJ
BENZO(B)FLUORANTHENE	110	190	120	160	4700	9.9 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	36	81	49	61	1900	2.1 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	80	160	100	140	3900	1.1 UJ
DIBENZO(A,H)ANTHRACENE	12	21	17	20	570	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	41	65	52	77	1800	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	443	817	520	718	21270	9.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15.5	28.3	46.8	326	4.6	10.0
BAP EQUIVALENT-POS	14.3	27.6	46.0	326	2.9	8.7
BENZO(A)ANTHRACENE	12.3	24 J	40	240	15	15
BENZO(A)PYRENE	10.9	21 J	35	230	1.6 U	5.4
BENZO(B)FLUORANTHENE	16.95	24 J	48	240	14	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.025	17 J	20	86	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	11.775	23 J	36	310	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.5 U	36	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	8.45	16	20	110	1.8 U	5.45
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	67.45	125	199	1252	29	42
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15.3	3.4	37.9	2.4	1.6 U	1.5 U
BAP EQUIVALENT-POS	14.5	1.8	37.1	0.8	1.6 U	1.5 U
BENZO(A)ANTHRACENE	15	8.7	29	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	10	1.5 U	29	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	20	9.2	37	7.9	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	17	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	42	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	10	1.8 U	13	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	55	17.9	167	7.9	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	108	67.4	26.7	4899	1.5 U	17.1
BAP EQUIVALENT-POS	108	67.0	25.9	4899	1.5 U	16.3
BENZO(A)ANTHRACENE	65 J	42.5	20 J	4100	1.1 U	10
BENZO(A)PYRENE	71 J	45.5	20 J	3400	1.5 U	13
BENZO(B)FLUORANTHENE	110 J	68	26 J	4600	1.3 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31 J	21.5	12 J	1500	1.9 U	8
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	66 J	43.5	21 J	3500	1 U	13
DIBENZO(A,H)ANTHRACENE	15 J	7.875	1.5 UJ	440	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	42 J	27	12 J	1700	1.7 U	8.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	400	255.5	111	19240	0 U	65.8
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)				
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)				
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	49.6	5759	14.1	809
BAP EQUIVALENT-POS	48.8	5759	13.2	809
BENZO(A)ANTHRACENE	39	1700	8.8	410
BENZO(A)PYRENE	38	3800	11	560
BENZO(B)FLUORANTHENE	44	4500	13	610
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	27	1700	2.1 U	230
C1-CHRYSENES	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED				
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	41	2000	9.7	420
DIBENZO(A,H)ANTHRACENE	1.5 U	1000	1.6 U	110
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	22	3200	1.8 U	340
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	211	17900	42.5	2680
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
METALS (CONTINUED) (MG/KG)				
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	61.8	21.5	20.4	32.2	15.31
BAP EQUIVALENT-POS	1.6 U	60.9	20.7	19.6	31.4	14.41
BENZO(A)ANTHRACENE	1.2 U	29	11	11	22	10
BENZO(A)PYRENE	1.6 U	50	17	16	24	12
BENZO(B)FLUORANTHENE	1.5 U	48	15	12	27	14
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	18	2.1 U	12	20	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	39	12	12	28	12
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	30	11	12	23	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	214	66	75	144	48
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	2.5	4.2	1.7 U	85.9	2.6
BAP EQUIVALENT-POS	1.6 U	1.6	2.3	1.7 U	85.9	0.9
BENZO(A)ANTHRACENE	1.2 UJ	5.8	11 J	1.2 U	50	1.2 U
BENZO(A)PYRENE	1.6 U	1.7 U	1.8 U	1.7 U	56	1.6 U
BENZO(B)FLUORANTHENE	1.5 UJ	6.375	12 J	1.6 U	95	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.25 U	2.4 U	2.2 U	28	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 UJ	5.775	11 J	1.2 U	74	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.8 U	1.7 U	11	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.95 U	2.1 U	2 U	40	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	17	34	0 U	354	8.6
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	25.6	21.6	17.7	NA	NA
BAP EQUIVALENT-POS	1.7 U	24.8	20.8	16.8	NA	NA
BENZO(A)ANTHRACENE	1.2 U	20 J	15	10 J	NA	NA
BENZO(A)PYRENE	1.7 U	19	16.5	14	NA	NA
BENZO(B)FLUORANTHENE	1.5 U	21	19.5	18	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	10	5.5	2 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	20	18	16	NA	NA
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.55 U	1.5 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	16 J	8.45	1.8 UJ	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	106	82	58	NA	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	38 U	38 U
AROCLOR-1221	NA	NA	NA	NA	38 U	38 U
AROCLOR-1232	NA	NA	NA	NA	38 U	38 U
AROCLOR-1242	NA	NA	NA	NA	38 U	38 U
AROCLOR-1248	NA	NA	NA	NA	38 U	38 U
AROCLOR-1254	NA	NA	NA	NA	38 U	38 U
AROCLOR-1260	NA	NA	NA	NA	38 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1221	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1232	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1242	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1248	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1254	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1260	39 U	38 U	38 U	40 U	40 U	42 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	0.7	1
ARSENIC	NA	NA	NA	NA	4	0.8 U
BARIUM	NA	NA	NA	NA	30	24

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	2.5	1.3
CADMIUM	NA	NA	NA	NA	0.2	0.4
CHROMIUM	NA	NA	NA	NA	22.1	20.4
COBALT	NA	NA	NA	NA	10.7	6.2
COPPER	NA	NA	NA	NA	21	34
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	18	7
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.1 K	0.002 U
MOLYBDENUM	NA	NA	NA	NA	0.5 U	0.6 U
NICKEL	NA	NA	NA	NA	30	12
SELENIUM	NA	NA	NA	NA	2	4
SILVER	NA	NA	NA	NA	0.05 U	0.06 U
THALLIUM	NA	NA	NA	NA	1 U	1 U
VANADIUM	NA	NA	NA	NA	33	28.4
ZINC	NA	NA	NA	NA	57	83
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	0.37 UL	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	0.31 K	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	1.5 U	1.5 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1221	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1232	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1242	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1248	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1254	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1260	40 U	38 U	40 U	39 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	0.8	0.3 U	0.4	0.4 U	NA	NA
ARSENIC	6	8	3 B	7	NA	NA
BARIUM	31	13	42	17	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.8	2.5	2.7	2.7	NA	NA
CADMIUM	0.1	0.1	0.3	0.2	NA	NA
CHROMIUM	24.6	37.2	18	49.3	NA	NA
COBALT	11.4	30.1	19.6	3.4	NA	NA
COPPER	21	16	20	7	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	9	6	13	18	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.06 K	0.002 U	0.4 K	0.002 U	0.02 UL	0.029 L
MOLYBDENUM	0.6 B	0.5 B	0.6 U	0.9 B	NA	NA
NICKEL	13	52	37	12	NA	NA
SELENIUM	5	4	4	5	NA	NA
SILVER	0.06 U	0.05 U	0.06 U	0.06 U	NA	NA
THALLIUM	1 U	1 U	1 U	1 U	NA	NA
VANADIUM	40.3	51	24.5	90.5	NA	NA
ZINC	65	39	137	10	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	85.3	88.6
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.36 UL	0.35 UL	NA	0.35 UL	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	0.474 K	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	15	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	15	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	15 J	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	15	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.055 L	0.043 L	0.024 L	0.026 L	0.028 L	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	85.2	89.3	87.9	85.1	88.4	88.9
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	940	1.5 U	1.5 U	13.0	1.5 U
BAP EQUIVALENT-POS	1.5 U	940	1.5 U	1.5 U	13.0	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	940	1.5 U	1.5 U	13 J	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	940	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 L	0.06 L	0.02 UL	0.02 UL	0.019 UL	0.035 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.9	89.2	85.4	85	85.5	86.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.019 UL	0.019 UL	0.019 UL	0.057 L	0.036 L	0.031 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.5	89.6	86.6	83.1	89.6	87.5
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	72.0	1.5 U	1.5 U	25.0	1.5 U
BAP EQUIVALENT-POS	1.5 U	72.0	1.5 U	1.5 U	25.0	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	72 J	1.5 U	1.5 U	25 J	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	0 U	0 U	25	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.034 L	0.057 L	0.019 UL	0.02 UL	0.093 L	0.021 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	87	88.2	89.2	84.6	88	88.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	110	130	380 U	390 U	170	400 U
BAP EQUIVALENT-POS	110	130	380 U	390 U	170	400 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	110 J	130 J	380 U	390 U	170 J	400 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	110	130	0 U	0 U	170	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.064 L	0.27	0.029 B	0.02 B	0.33	0.023 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84.2	82.8	85.9	84.6	86.9	82.6
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	35.0	27.0	410 U	390 U	110	110
BAP EQUIVALENT-POS	35.0	27.0	410 U	390 U	110	110
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	35 J	27 J	410 U	390 U	110 J	110 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	35	27	0 U	0 U	110	110
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.025 B	0.031 B	0.041 B	0.025 B	0.041 B	0.1 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84.2	82.1	80.1	84.1	82.4	80.1
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	380 U	20.0	390 U	400 U	38.0	410 U
BAP EQUIVALENT-POS	380 U	20.0	390 U	400 U	38.0	410 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	380 U	20 J	390 U	400 U	38 J	410 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	20	0 U	0 U	38	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 B	0.059 B	0.035 B	0.04 B	0.064 B	0.034 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.7	86.1	84.9	82.7	86.1	80.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	64.0	410 U	380 U	380 U	88.0	64.0
BAP EQUIVALENT-POS	64.0	410 U	380 U	380 U	88.0	64.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	64 J	410 U	380 U	380 U	88 J	64 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	64	0 U	0 U	0 U	88	64
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 B	0.062 B	0.036 B	0.025 B	0.38	0.07 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	82.3	81	86.4	86.6	86.3	80.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	30.0	20.0	13.0	400 U	380 U	420 U
BAP EQUIVALENT-POS	30.0	20.0	13.0	400 U	380 U	420 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	30 J	20 J	13 J	400 U	380 U	420 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	30	20	13	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.061 B	0.3	0.06 B	0.027 B	0.066 B	0.04 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	78.4	83.5	82.6	83.2	87.3	79.2
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24.0	13.0	700	4200 U	40.0	50.0
BAP EQUIVALENT-POS	24.0	13.0	700	4200 U	40.0	50.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	24 J	13 J	700 J	4200 U	40 J	50 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	24	13	700	0 U	40	50
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.35	0.4	0.093 B	0.82	0.42	0.042 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.7	84.8	80.3	79.4	82.4	81.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	14.0	1.6 U	1.5 U	110	30.0
BAP EQUIVALENT-POS	400 U	14	1.6 U	1.5 U	110	30.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	400 U	14 J	1.6 U	1.5 U	110 J	30 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	14	0 U	0 U	110	30
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.055 B	0.13 B	0.22 J	0.025 B	0.11 B	0.39 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.8	88.4	80.2	86.7	87.3	82.3
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	23.0	25.0	38.0	78.0	17.0
BAP EQUIVALENT-POS	1.7 U	23.0	25.0	38.0	78.0	17.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	23 J	25 J	38 J	78 J	17 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	23	25	38	78	17
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.042 B	0.073 B	0.29 L	0.31 L	0.19 J	0.84 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	77.7	85.3	77.8	66.1	84.1	73.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.1 U	11.0	1.7 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	2.1 U	11.0	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	2.1 U	11 J	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	11	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.043 B	0.15 B	0.19 J	0.034 B	0.14 B	0.034 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	62.5	79.6	75.4	79.4	81.3	80.1
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	NA
1,1,1-TRICHLOROETHANE	NA
1,1,2,2-TETRACHLOROETHANE	NA
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA
1,1-DICHLOROETHANE	NA
1,1-DICHLOROETHENE	NA
1,1-DICHLOROPROPENE	NA
1,2,3-TRICHLOROBENZENE	NA
1,2,3-TRICHLOROPROPANE	NA
1,2,3-TRIMETHYLBENZENE	NA
1,2,4-TRICHLOROBENZENE	NA
1,2,4-TRIMETHYLBENZENE	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA
1,2-DIBROMOETHANE	NA
1,2-DICHLOROBENZENE	NA
1,2-DICHLOROETHANE	NA
1,2-DICHLOROPROPANE	NA
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,3-DICHLOROPROPANE	NA
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	NA
2-BUTANONE	NA
2-CHLOROETHYL VINYL ETHER	NA
2-CHLOROTOLUENE	NA
2-HEXANONE	NA
4-CHLOROTOLUENE	NA
4-ISOPROPYLTOLUENE	NA
4-METHYL-2-PENTANONE	NA
ACETONE	NA
BENZENE	NA
BROMOBENZENE	NA
BROMOCHLOROMETHANE	NA
BROMODICHLOROMETHANE	NA
BROMOFORM	NA
BROMOMETHANE	NA
CARBON DISULFIDE	NA
CARBON TETRACHLORIDE	NA
CHLOROBENZENE	NA
CHLORODIBROMOMETHANE	NA
CHLOROETHANE	NA
CHLOROFORM	NA
CHLOROMETHANE	NA
CIS-1,2-DICHLOROETHENE	NA
CIS-1,3-DICHLOROPROPENE	NA
DIBROMOMETHANE	NA
DICHLORODIFLUOROMETHANE	NA
DIISOPROPYL ETHER	NA
ETHYL TERT-BUTYL ETHER	NA
ETHYLBENZENE	NA
FLUORODICHLOROMETHANE	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	NA
ISOPROPYLBENZENE	NA
M+P-XYLENES	NA
METHYL TERT-BUTYL ETHER	NA
METHYLENE CHLORIDE	NA
NAPHTHALENE	NA
N-BUTYLBENZENE	NA
N-PROPYLBENZENE	NA
O-XYLENE	NA
SEC-BUTYLBENZENE	NA
STYRENE	NA
TERT-AMYL METHYL ETHER	NA
TERT-BUTYLBENZENE	NA
TERTIARY-BUTYL ALCOHOL	NA
TETRACHLOROETHENE	NA
TOLUENE	NA
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	NA
TRANS-1,2-DICHLOROETHENE	NA
TRANS-1,3-DICHLOROPROPENE	NA
TRICHLOROETHENE	NA
TRICHLOROFLUOROMETHANE	NA
VINYL ACETATE	NA
VINYL CHLORIDE	NA
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	NA
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA
2,4,5-TRICHLOROPHENOL	NA
2,4,6-TRICHLOROPHENOL	NA
2,4-DICHLOROPHENOL	NA
2,4-DIMETHYLPHENOL	NA
2,4-DINITROPHENOL	NA
2,4-DINITROTOLUENE	NA
2,6-DINITROTOLUENE	NA
2-CHLORONAPHTHALENE	NA
2-CHLOROPHENOL	NA
2-METHYLPHENOL	NA
2-NITROANILINE	NA
2-NITROPHENOL	NA
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	NA
3-NITROANILINE	NA
4,6-DINITRO-2-METHYLPHENOL	NA
4-BROMOPHENYL PHENYL ETHER	NA
4-CHLORO-3-METHYLPHENOL	NA
4-CHLOROANILINE	NA
4-CHLOROPHENYL PHENYL ETHER	NA
4-METHYLPHENOL	NA
4-NITROANILINE	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	NA
ACETOPHENONE	NA
ANILINE	NA
ATRAZINE	NA
AZOBENZENE	NA
BENZALDEHYDE	NA
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	NA
BIS(2-CHLOROETHYL)ETHER	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA
BUTYL BENZYL PHTHALATE	NA
CAPROLACTAM	NA
CARBAZOLE	NA
DIBENZOFURAN	NA
DIETHYL PHTHALATE	NA
DIMETHYL PHTHALATE	NA
DI-N-BUTYL PHTHALATE	NA
DI-N-OCTYL PHTHALATE	NA
HEXACHLOROBENZENE	NA
HEXACHLOROBUTADIENE	NA
HEXACHLOROCYCLOPENTADIENE	NA
HEXACHLOROETHANE	NA
ISOPHORONE	NA
NITROBENZENE	NA
N-NITROSODIMETHYLAMINE	NA
N-NITROSO-DI-N-PROPYLAMINE	NA
N-NITROSODIPHENYLAMINE	NA
PENTACHLOROPHENOL	NA
PHENOL	NA
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	NA
ACENAPHTHENE	NA
ACENAPHTHYLENE	NA
ANTHRACENE	NA
BAP EQUIVALENT-HALFND	1.8 U
BAP EQUIVALENT-POS	1.8 U
BENZO(A)ANTHRACENE	NA
BENZO(A)PYRENE	1.8 U
BENZO(B)FLUORANTHENE	NA
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	NA
BENZO(K)FLUORANTHENE	NA
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	NA
DIBENZO(A,H)ANTHRACENE	NA
FLUORANTHENE	NA
FLUORENE	NA
INDENO(1,2,3-CD)PYRENE	NA
NAPHTHALENE	NA
PHENANTHRENE	NA
PYRENE	NA
TOTAL PAHS	0 U
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	NA
4,4'-DDE	NA
4,4'-DDT	NA
ALDRIN	NA
ALPHA-BHC	NA
ALPHA-CHLORDANE	NA
AROCLOR-1016	NA
AROCLOR-1221	NA
AROCLOR-1232	NA
AROCLOR-1242	NA
AROCLOR-1248	NA
AROCLOR-1254	NA
AROCLOR-1260	NA
BETA-BHC	NA
DELTA-BHC	NA
DIELDRIN	NA
ENDOSULFAN I	NA
ENDOSULFAN II	NA
ENDOSULFAN SULFATE	NA
ENDRIN	NA
ENDRIN ALDEHYDE	NA
ENDRIN KETONE	NA
GAMMA-BHC (LINDANE)	NA
GAMMA-CHLORDANE	NA
HEPTACHLOR	NA
HEPTACHLOR EPOXIDE	NA
METHOXYCHLOR	NA
TOTAL AROCLOR	NA
TOXAPHENE	NA
METALS (MG/KG)	
ANTIMONY	NA
ARSENIC	NA
BARIUM	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-344**
SAMPLE ID	**SB-344-0809**
SAMPLE DATE	**20071101**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**8**
BOTTOM DEPTH	**9**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	NA
CADMIUM	NA
CHROMIUM	NA
COBALT	NA
COPPER	NA
IRON	NA
LEAD	NA
MANGANESE	NA
MERCURY	0.052 B
MOLYBDENUM	NA
NICKEL	NA
SELENIUM	NA
SILVER	NA
THALLIUM	NA
VANADIUM	NA
ZINC	NA
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	NA
GASOLINE RANGE ORGANICS	NA
TPH (C09-C36)	NA
TPH (C10-C32)	NA
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	73.4
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	NA
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	7.0	17.4	27.8	851	931	693
BAP EQUIVALENT-POS	5.8	16.8	27.8	851	931	693
BENZO(A)ANTHRACENE	4 J	9.5	15	510	660	320
BENZO(A)PYRENE	4.5 J	10.75	17	620	630	470
BENZO(B)FLUORANTHENE	6.1 J	17.05	28 J	510	730	460
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	1.9 U	1.6 U	320	330	210
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	4.7 J	10.35	16	500	570	390
DIBENZO(A,H)ANTHRACENE	2.4 U	3.05	4.9 J	89	120	110
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	2.5 J	9.25	16	360	380	330
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	21.8	59.35	96.9	2909	3420	2290
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	113	5.3	15.4	623	239	185
BAP EQUIVALENT-POS	113	4.4	14.6	623	239	185
BENZO(A)ANTHRACENE	55	5 J	11	330	190	88
BENZO(A)PYRENE	79	3 J	11	440	170	130
BENZO(B)FLUORANTHENE	74	6.4 J	16	520	210	120
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	45	1.7 U	2 U	180	100	54
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	76	6 J	12	370	170	97
DIBENZO(A,H)ANTHRACENE	15	1.8 U	1.5 U	72	21	25
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	57	2.6 J	8.9	240	72	88
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	401	23	58.9	2152	933	602
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	193	315	438	26.0	52.3	510
BAP EQUIVALENT-POS	193	315	438	25.1	51.6	510
BENZO(A)ANTHRACENE	91 J	150.5	210 J	15	26	220
BENZO(A)PYRENE	130 J	220	310 J	20	42	360
BENZO(B)FLUORANTHENE	130 J	210	290 J	22	42	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	63 J	96.5	130 J	11	15	150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110 J	180	250 J	15	35	260
DIBENZO(A,H)ANTHRACENE	31 J	43.5	56 J	1.8 U	1.5 U	67
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	87 J	143.5	200 J	13	26	240
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	642	1044	1446	96	186	1647
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	3.6 U	16
2-METHYLNAPHTHALENE	NA	NA	NA	NA	3.6 U	23
ACENAPHTHENE	NA	NA	NA	NA	3.6 U	3.7 U
ACENAPHTHYLENE	NA	NA	NA	NA	3.6 U	33
ANTHRACENE	NA	NA	NA	NA	3.6 U	37
BAP EQUIVALENT-HALFND	208	86.6	83.9	19.6	3.6 U	97.4
BAP EQUIVALENT-POS	208	86.6	83.1	18.8	3.6 U	95.6
BENZO(A)ANTHRACENE	140	44	44	1.1 U	3.6 U	57
BENZO(A)PYRENE	140	63	68	16	3.6 U	76
BENZO(B)FLUORANTHENE	160	62	66	19	3.6 U	81
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	3.6 U	63
BENZO(K)FLUORANTHENE	80	22	18	1.9 U	3.6 U	33
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	150	52	46	1 U	1.2 U	61
DIBENZO(A,H)ANTHRACENE	29	8.9	1.5 U	1.5 U	3.6 U	3.7 U
FLUORANTHENE	NA	NA	NA	NA	3.6 U	95
FLUORENE	NA	NA	NA	NA	3.6 U	3.7 U
INDENO(1,2,3-CD)PYRENE	80	38	39	9.2	3.6 U	54
NAPHTHALENE	NA	NA	NA	NA	3.6 U	16
PHENANTHRENE	NA	NA	NA	NA	3.6 U	53
PYRENE	NA	NA	NA	NA	3.6 U	140
TOTAL PAHS	779	289.9	281	44.2	0 U	822
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.7 U	73	3.8 U	3.9 U	4.4 U	3.9 U
2-METHYLNAPHTHALENE	3.7 U	89	3.8 U	3.9 U	4.4 U	3.9 U
ACENAPHTHENE	3.7 U	47	3.8 U	3.9 U	4.4 U	3.9 U
ACENAPHTHYLENE	3.7 U	170	3.8 U	3.9 U	4.4 U	3.9 U
ANTHRACENE	3.7 U	140	3.8 U	3.9 U	4.4 U	3.9 U
BAP EQUIVALENT-HALFND	3.7 U	474	3.8 U	3.9 U	4.4 U	3.9 U
BAP EQUIVALENT-POS	3.7 U	472	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(A)ANTHRACENE	3.7 U	350	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(A)PYRENE	3.7 U	370 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(B)FLUORANTHENE	3.7 U	460 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.7 U	250 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(K)FLUORANTHENE	3.7 U	190 J	3.8 U	3.9 U	4.4 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	76 U	NA	NA	NA	NA	NA
C1-FLUORENES	76 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C2-FLUORENES	76 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C3-FLUORENES	76 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	330	1.3 U	1.3 U	1.5 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.7 U	3.8 UJ	3.8 U	3.9 U	4.4 U	3.9 U
FLUORANTHENE	3.7 U	500	22 J	24 J	4.4 U	3.9 U
FLUORENE	3.7 U	65	3.8 U	3.9 U	4.4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.7 U	190 J	3.8 U	3.9 U	4.4 U	3.9 U
NAPHTHALENE	10	190	3.8 U	3.9 U	4.4 U	3.9 U
PHENANTHRENE	3.7 U	270	18 J	23 J	4.4 U	3.9 U
PYRENE	3.7 U	810	7.8	8.5	4.4 U	3.9 U
TOTAL PAHS	10	4421	47.8	55.5	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	28	4 U	3.9 U	4 U	3.9 U
2-METHYLNAPHTHALENE	3.8 U	59	4 U	3.9 U	11	3.9 U
ACENAPHTHENE	3.8 U	35 J	4 U	3.9 U	31 J	3.9 U
ACENAPHTHYLENE	3.8 U	30	4 U	3.9 U	4 U	3.9 U
ANTHRACENE	3.8 U	42 J	4 U	3.9 U	35 J	3.9 U
BAP EQUIVALENT-HALFND	3.8 U	86.7	4 U	3.9 U	4 U	3.9 U
BAP EQUIVALENT-POS	3.8 U	84.6	4 U	3.9 U	4 U	3.9 U
BENZO(A)ANTHRACENE	3.8 UJ	44	4 U	3.9 U	4 UJ	3.9 U
BENZO(A)PYRENE	3.8 UJ	72 J	4 U	3.9 U	4 UJ	3.9 U
BENZO(B)FLUORANTHENE	3.8 UJ	77 J	4 U	3.9 U	4 UJ	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
BENZO(K)FLUORANTHENE	3.8 UJ	43 J	4 U	3.9 U	4 UJ	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 UJ	49	1.3 U	1.3 U	1.3 UJ	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
FLUORANTHENE	3.8 U	110 J	4 U	3.9 U	91 J	3.9 U
FLUORENE	3.8 U	38 J	4 U	3.9 U	32 J	3.9 U
INDENO(1,2,3-CD)PYRENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
NAPHTHALENE	3.8 U	43	4 U	3.9 U	21	3.9 U
PHENANTHRENE	33 J	87 J	4 U	3.9 U	85	3.9 U
PYRENE	17 J	110	4 U	11	40 J	3.9 U
TOTAL PAHS	50	839	0 U	11	346	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.9 U	4.1 U	55	4 U	11	4 U
2-METHYLNAPHTHALENE	3.9 U	4.1 U	97	4 U	25	4 U
ACENAPHTHENE	3.9 U	4.1 U	200	4 U	42	4 U
ACENAPHTHYLENE	3.9 U	4.1 U	3.7 U	4 U	3.8 U	4 U
ANTHRACENE	3.9 U	4.1 U	470	4 U	56	4 U
BAP EQUIVALENT-HALFND	3.9 U	4.1 U	668.5	4 U	150.1	4 U
BAP EQUIVALENT-POS	3.9 U	4.1 U	666.7	4 U	148.2	4 U
BENZO(A)ANTHRACENE	3.9 U	4.1 U	670	4 U	150	4 U
BENZO(A)PYRENE	3.9 U	4.1 U	500	4 U	110	4 U
BENZO(B)FLUORANTHENE	3.9 U	4.1 U	710 J	4 U	160 J	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4.1 U	270	4 U	72	4 U
BENZO(K)FLUORANTHENE	3.9 U	4.1 U	310	4 U	39	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	77 U	NA
C1-FLUORENES	NA	NA	NA	NA	77 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C2-FLUORENES	NA	NA	NA	NA	77 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C3-FLUORENES	NA	NA	NA	NA	77 U	NA
C3-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C4-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
CHRYSENE	1.3 U	1.4 U	590	1.3 U	130	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4.1 U	3.7 U	4 U	3.8 U	4 U
FLUORANTHENE	3.9 U	4.1 U	1600	44	300	4 U
FLUORENE	3.9 U	4.1 U	210	4 U	41	4 U
INDENO(1,2,3-CD)PYRENE	3.9 U	4.1 U	250 J	4 U	67 J	4 U
NAPHTHALENE	3.9 U	4.1 U	260	4 U	57	4 U
PHENANTHRENE	3.9 U	4.1 U	1300	4 U	230	4 U
PYRENE	3.9 U	4.1 U	1200	18	230	12
TOTAL PAHS	0 U	0 U	8637	62	1709	12
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.5 U	3.8 U	4 U	4 U	3.9 U	4 U
2-METHYLNAPHTHALENE	3.5 U	3.8 U	4 U	4 U	3.9 U	4 U
ACENAPHTHENE	8.8	18	4 U	4 U	3.9 U	4 U
ACENAPHTHYLENE	15	3.8 U	4 U	4 U	3.9 U	4 U
ANTHRACENE	33	41	4 U	4 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	131	223	13.2	4 U	3.9 U	4 U
BAP EQUIVALENT-POS	131	223	10.9	4 U	3.9 U	4 U
BENZO(A)ANTHRACENE	96	190	8.3	4 U	3.9 U	4 U
BENZO(A)PYRENE	89	150	8.7	4 U	3.9 U	4 U
BENZO(B)FLUORANTHENE	130	220	14	4 U	3.9 U	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	92	100	4 U	4 U	3.9 U	4 U
BENZO(K)FLUORANTHENE	51	110	4 U	4 U	3.9 U	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110	220	8.6	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	12 J	22	4 U	4 U	3.9 U	4 U
FLUORANTHENE	200	520	11	4 U	3.9 U	4 U
FLUORENE	8.5	18	4 U	4 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	67	90	4 U	4 U	3.9 U	4 U
NAPHTHALENE	9	3.8 U	4 U	4 U	3.9 U	8.9
PHENANTHRENE	99	270	4 U	4 U	3.9 U	11
PYRENE	170	390	10	4 U	3.9 U	8.1
TOTAL PAHS	1190.3	2359	60.6	0 U	0 U	28
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	8.6	28	3.9 U	3.9 U	4 U	4.1 U
2-METHYLNAPHTHALENE	16	30	3.9 U	3.9 U	4 U	4.1 U
ACENAPHTHENE	59	19	3.9 U	3.9 U	4 U	4.1 U
ACENAPHTHYLENE	3.9 U	4 U	17	3.9 U	4 U	4.1 U
ANTHRACENE	20	39	3.9 U	3.9 U	4 U	4.1 U
BAP EQUIVALENT-HALFND	22.1	94.8	38.2	3.9 U	4 U	4.1 U
BAP EQUIVALENT-POS	20.1	92.8	36.0	3.9 U	4 U	4.1 U
BENZO(A)ANTHRACENE	18	100	3.9 U	3.9 U	4 U	4.1 U
BENZO(A)PYRENE	14	68	28	3.9 U	4 U	4.1 U
BENZO(B)FLUORANTHENE	22 J	96 J	44	3.9 U	4 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	11	43	32	3.9 U	4 U	4.1 U
BENZO(K)FLUORANTHENE	3.9 U	33	19	3.9 U	4 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	18	87	30	1.3 U	1.35 U	1.4 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4 U	3.9 U	3.9 U	4 U	4.1 U
FLUORANTHENE	48	170	28	3.9 U	4 U	4.1 U
FLUORENE	34	42	3.9 U	3.9 U	4 U	4.1 U
INDENO(1,2,3-CD)PYRENE	21 J	48 J	34	3.9 U	4 U	4.1 U
NAPHTHALENE	19	13	3.9 U	3.9 U	4 U	4.1 U
PHENANTHRENE	98	210	3.9 U	3.9 U	4 U	4.1 U
PYRENE	37	190	51	3.9 U	4 U	4.1 U
TOTAL PAHS	435	1188	283	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4.2 U	200 U	34	22	3.8 U	3.9 U
2-METHYLNAPHTHALENE	4.2 U	200 U	27	32	9.4	3.9 U
ACENAPHTHENE	4.2 U	2400	120	140	17	3.9 U
ACENAPHTHYLENE	4.2 U	200 U	7.8 U	7.7 U	3.8 U	3.9 U
ANTHRACENE	4.2 U	9200	60	270	52	3.9 U
BAP EQUIVALENT-HALFND	5.6	24437	196	570	169	3.9 U
BAP EQUIVALENT-POS	1.0	24437	192	566	169	3.9 U
BENZO(A)ANTHRACENE	9.8	26000	160	480	150	3.9 U
BENZO(A)PYRENE	4.2 U	16000	160	450	110	3.9 U
BENZO(B)FLUORANTHENE	4.2 U	25000	140	460	160	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	7500	7.8 U	210	70	3.9 U
BENZO(K)FLUORANTHENE	4.2 U	10000	150	290	66	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	140 J	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	240 J	NA	NA
C1-FLUORENES	NA	NA	NA	79 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	93 J	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C2-FLUORENES	NA	NA	NA	79 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C3-FLUORENES	NA	NA	NA	79 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
CHRYSENE	11	27000	180	500	150	1.3 U
DIBENZO(A,H)ANTHRACENE	4.2 U	2500	7.8 U	7.7 U	21	3.9 U
FLUORANTHENE	22	73000	370	1100	360	8.9
FLUORENE	10	3200	57	120	20	3.9 U
INDENO(1,2,3-CD)PYRENE	4.2 U	7100	7.8 U	190	62	3.9 U
NAPHTHALENE	4.2 U	200 U	98	75	15	3.9 U
PHENANTHRENE	41	44000	280	840	220	3.9 U
PYRENE	27	54000	310	800	270	3.9 U
TOTAL PAHS	120.8	306900	2112	5957	1752.4	8.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
2-METHYLNAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
ACENAPHTHENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
ACENAPHTHYLENE	53	3.8 U	3.9 U	3.9 U	9	3.9 U
ANTHRACENE	25	3.8 U	3.9 U	11	4 U	3.9 U
BAP EQUIVALENT-HALFND	274	27.7	3.9 U	58.8	23.7	3.9 U
BAP EQUIVALENT-POS	274	25.6	3.9 U	58.8	21.7	3.9 U
BENZO(A)ANTHRACENE	110	3.8 U	3.9 U	33	8.6	3.9 U
BENZO(A)PYRENE	180	22	3.9 U	29	18	3.9 U
BENZO(B)FLUORANTHENE	190	17	3.9 U	37	17	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	160	9.4	3.9 U	17	14	3.9 U
BENZO(K)FLUORANTHENE	80	3.8 U	3.9 U	15	4 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	130 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	140 J	NA	NA	NA	NA
C1-FLUORENES	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	86 J	NA	NA	NA	NA
C2-FLUORENES	NA	78 U	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	78 U	NA	NA	NA	NA
C3-FLUORENES	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	78 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
CHRYSENE	140	1.3 U	1.3 U	31	13	1.3 U
DIBENZO(A,H)ANTHRACENE	51	3.8 U	3.9 U	21	4 U	3.9 U
FLUORANTHENE	130	3.8 U	3.9 U	62	8.9	3.9 U
FLUORENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	120	19	3.9 U	16	11	3.9 U
NAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
PHENANTHRENE	11	3.8 U	3.9 U	36	4 U	3.9 U
PYRENE	320	16	3.9 U	55	42	3.9 U
TOTAL PAHS	1570	83.4	0 U	363	141.5	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4.1 U	4.05 U	4 U	15 U	9.6 U	310
2-METHYLNAPHTHALENE	4.1 U	4.05 U	4 U	15 U	9.6 U	600
ACENAPHTHENE	4.1 U	4.05 U	4 U	150	27	1700
ACENAPHTHYLENE	21 J	11.5	4 UJ	15 U	9.6 U	20 U
ANTHRACENE	8.5	5.25	4 U	270	62	2100
BAP EQUIVALENT-HALFND	70.1	36.0	4 U	1021	176	4873
BAP EQUIVALENT-POS	70.1	36.0	4 U	1013	171	4873
BENZO(A)ANTHRACENE	19 J	10.5	4 UJ	880	170	3800
BENZO(A)PYRENE	38 J	20	4 UJ	770	140	3300
BENZO(B)FLUORANTHENE	37 J	19.5	4 UJ	1100	130	4000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	30 J	16	4 UJ	470	9.6 U	2000
BENZO(K)FLUORANTHENE	14	8	4 U	450	100	1900
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	2300 J
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	4300 J
C1-FLUORENES	NA	NA	NA	NA	NA	81 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	2100 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	840 J
C2-FLUORENES	NA	NA	NA	NA	NA	81 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	870 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	380 J
C3-FLUORENES	NA	NA	NA	NA	NA	81 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	360 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U
CHRYSENE	25 J	12.825	1.3 UJ	880	160	3500
DIBENZO(A,H)ANTHRACENE	24 J	13	4 UJ	15 U	9.6 U	610
FLUORANTHENE	20 J	11	4 UJ	1900	350	7500
FLUORENE	4.1 U	4.05 U	4 U	90	25	1600
INDENO(1,2,3-CD)PYRENE	23 J	12.5	4 UJ	400	9.6 U	1600
NAPHTHALENE	4.1 U	4.05 U	4 U	32	9.6 U	1600
PHENANTHRENE	4.1 U	4.05 U	4 U	1000	210	6800
PYRENE	87 J	44.5	4 UJ	1500	290	5600
TOTAL PAHS	346.5	173.25	0 U	9892	1664	48210
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	10	3.8 U	4 U	4.1 U	3.7 U	4 U
2-METHYLNAPHTHALENE	16	3.8 U	4 U	4.1 U	3.7 U	4 U
ACENAPHTHENE	52	3.8 U	4 U	4.1 U	3.7 U	4 U
ACENAPHTHYLENE	4.1 U	3.8 U	60	15	15	4 U
ANTHRACENE	56	3.8 U	24	4.1 U	3.7 U	4 U
BAP EQUIVALENT-HALFND	197	3.8 U	133	27.1	31.5	4 U
BAP EQUIVALENT-POS	197	3.8 U	133	25.0	29.6	4 U
BENZO(A)ANTHRACENE	150	3.8 U	56	15	16	4 U
BENZO(A)PYRENE	130	3.8 U	82	20	24	4 U
BENZO(B)FLUORANTHENE	190	3.8 U	86	21	24	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	95	3.8 U	75	17	20	4 U
BENZO(K)FLUORANTHENE	77	3.8 U	36	10	9.8	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	160	1.3 U	68	14	16	1.3 U
DIBENZO(A,H)ANTHRACENE	24	3.8 U	31	4.1 U	3.7 U	4 U
FLUORANTHENE	320	3.8 U	53	12	12	4 U
FLUORENE	48	3.8 U	4 U	4.1 U	3.7 U	4 U
INDENO(1,2,3-CD)PYRENE	83	3.8 U	51	13	15	4 U
NAPHTHALENE	27	3.8 U	4 U	4.1 U	3.7 U	4 U
PHENANTHRENE	250	3.8 U	9.2	4.1 U	3.7 U	4 U
PYRENE	260	3.8 U	110	25	28	4 U
TOTAL PAHS	1938	0 U	741.2	162	179.8	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
2-METHYLNAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ACENAPHTHYLENE	15	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	72.1	3.8 U	4 U	3.7 U	15.5	3.9 U
BAP EQUIVALENT-POS	72.1	3.8 U	4 U	3.7 U	13.3	3.9 U
BENZO(A)ANTHRACENE	26	3.8 U	4 U	3.7 UL	12	3.9 U
BENZO(A)PYRENE	43	3.8 U	4 U	3.7 UL	11	3.9 U
BENZO(B)FLUORANTHENE	49 J	3.8 U	4 U	3.7 UL	11 J	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	33	3.8 U	4 U	3.7 UL	8.1	3.9 U
BENZO(K)FLUORANTHENE	14	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	77 U	NA	NA	NA	NA
C1-FLUORENES	NA	77 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C2-FLUORENES	NA	77 U	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C3-FLUORENES	NA	77 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
CHRYSENE	33	1.3 U	1.3 U	1.2 UL	13	1.3 U
DIBENZO(A,H)ANTHRACENE	19 J	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
FLUORANTHENE	31	3.8 U	4 U	3.7 UL	21	3.9 U
FLUORENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	24 J	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
PYRENE	65	3.8 U	4 U	7.8 L	35	3.9 U
TOTAL PAHS	352	0 U	0 U	7.8	111.1	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	0.53 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	0.48 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	1.1 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	0.31 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	0.45 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.26 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	0.33 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	0.78 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	0.15 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	0.23 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	0.56 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	1.1 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	0.43 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.31 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	0.29 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.59 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.3 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.57 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.81 U
2-BUTANONE	NA	NA	NA	NA	NA	1.2 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	1.2 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	0.34 U
2-HEXANONE	NA	NA	NA	NA	NA	0.54 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	0.35 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	0.18 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	0.47 U
ACETONE	NA	NA	NA	NA	NA	5.4 U
BENZENE	NA	NA	NA	NA	NA	0.2 U
BROMOBENZENE	NA	NA	NA	NA	NA	0.28 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	0.61 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	0.24 U
BROMOFORM	NA	NA	NA	NA	NA	0.28 U
BROMOMETHANE	NA	NA	NA	NA	NA	0.47 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	0.38 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	0.32 U
CHLOROBENZENE	NA	NA	NA	NA	NA	0.28 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	0.47 U
CHLOROETHANE	NA	NA	NA	NA	NA	0.74 U
CHLOROFORM	NA	NA	NA	NA	NA	0.25 U
CHLOROMETHANE	NA	NA	NA	NA	NA	0.35 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	0.31 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.29 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	0.54 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	0.43 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	1.3 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	0.19 U
ETHYLBENZENE	NA	NA	NA	NA	NA	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	1 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	0.14 U
M+P-XYLENES	NA	NA	NA	NA	NA	1 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	0.37 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	0.58 U
NAPHTHALENE	NA	NA	NA	NA	NA	0.16 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	0.2 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	0.34 U
O-XYLENE	NA	NA	NA	NA	NA	0.3 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	0.16 U
STYRENE	NA	NA	NA	NA	NA	0.13 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	0.32 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	0.25 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	6.6 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	0.45 U
TOLUENE	NA	NA	NA	NA	NA	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	0.58 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	0.35 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.47 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	0.36 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	0.29 U
VINYL ACETATE	NA	NA	NA	NA	NA	0.22 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	0.34 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	11 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	29 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	92 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	23 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	23 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	92 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	31 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	24 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	3.8 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	31 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
2-NITROANILINE	NA	NA	NA	NA	NA	10 U
2-NITROPHENOL	NA	NA	NA	NA	NA	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	21 U
3-NITROANILINE	NA	NA	NA	NA	NA	18 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	15 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	24 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	20 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	15 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
4-NITROANILINE	NA	NA	NA	NA	NA	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	92 U
ACETOPHENONE	NA	NA	NA	NA	NA	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	25 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	59
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	11 U
CAPROLACTAM	NA	NA	NA	NA	NA	43 U
CARBAZOLE	NA	NA	NA	NA	NA	31 U
DIBENZOFURAN	NA	NA	NA	NA	NA	3.8 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	18 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	20 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	17 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	31 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	2.4 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	31 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	31 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	10 U
ISOPHORONE	NA	NA	NA	NA	NA	15 U
NITROBENZENE	NA	NA	NA	NA	NA	2.5 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	18 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	31 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	24 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	92 U
PHENOL	NA	NA	NA	NA	NA	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4 U	4 U	8.9	4 U	3.8 U	NA
2-METHYLNAPHTHALENE	4 U	4 U	19	4 U	3.8 U	3.8 U
ACENAPHTHENE	4 U	4 U	72	4 U	3.8 U	3.8 U
ACENAPHTHYLENE	33	4 U	4.1 U	4 U	3.8 U	3.8 U
ANTHRACENE	19	4 U	150	4 U	3.8 U	3.8 U
BAP EQUIVALENT-HALFND	121.3	4 U	808.1	4 U	3.8 U	59.7
BAP EQUIVALENT-POS	121.3	4 U	808.1	4 U	3.8 U	59.7
BENZO(A)ANTHRACENE	71	4 U	480	4 U	3.8 U	29
BENZO(A)PYRENE	80	4 U	560	4 U	3.8 U	30
BENZO(B)FLUORANTHENE	75 J	4 U	640 J	4 U	3.8 U	38
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	60	4 U	380	4 U	3.8 U	19
BENZO(K)FLUORANTHENE	36	4 U	270	4 U	3.8 U	19
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	76	1.3 U	420	1.3 U	1.3 U	31
DIBENZO(A,H)ANTHRACENE	22 J	4 U	100 J	4 U	3.8 U	21
FLUORANTHENE	120	4 U	690	4 U	3.8 U	49
FLUORENE	9.5	4 U	55	4 U	3.8 U	3.8 U
INDENO(1,2,3-CD)PYRENE	43 J	4 U	330 J	4 U	3.8 U	18
NAPHTHALENE	4 U	4 U	55	4 U	3.8 U	3.8 U
PHENANTHRENE	26	4 U	440	4 U	3.8 U	24
PYRENE	180	4 U	560	4 U	3.8 U	39
TOTAL PAHS	850.5	0 U	5221	0 U	0 U	317
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	0.71 U
4,4'-DDE	NA	NA	NA	NA	NA	0.45 U
4,4'-DDT	NA	NA	NA	NA	NA	0.72 U
ALDRIN	NA	NA	NA	NA	NA	1.4 U
ALPHA-BHC	NA	NA	NA	NA	NA	0.84 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	1.1 U
AROCLOR-1016	NA	NA	NA	NA	NA	24 U
AROCLOR-1221	NA	NA	NA	NA	NA	18 U
AROCLOR-1232	NA	NA	NA	NA	NA	16 U
AROCLOR-1242	NA	NA	NA	NA	NA	15 U
AROCLOR-1248	NA	NA	NA	NA	NA	20 U
AROCLOR-1254	NA	NA	NA	NA	NA	20 U
AROCLOR-1260	NA	NA	NA	NA	NA	20 U
BETA-BHC	NA	NA	NA	NA	NA	1.3 U
DELTA-BHC	NA	NA	NA	NA	NA	1.4 U
DIELDRIN	NA	NA	NA	NA	NA	0.54 U
ENDOSULFAN I	NA	NA	NA	NA	NA	0.6 U
ENDOSULFAN II	NA	NA	NA	NA	NA	0.94 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	1 U
ENDRIN	NA	NA	NA	NA	NA	0.57 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	1.1 U
ENDRIN KETONE	NA	NA	NA	NA	NA	0.72 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	0.85 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	0.48 U
HEPTACHLOR	NA	NA	NA	NA	NA	1.3 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	0.92 U
METHOXYCHLOR	NA	NA	NA	NA	NA	1.7 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	22 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	0.14 UL
ARSENIC	NA	NA	NA	NA	NA	2.1 J
BARIUM	NA	NA	NA	NA	NA	18.6

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	0.69
CADMIUM	NA	NA	NA	NA	NA	0.13 K
CHROMIUM	NA	NA	NA	NA	NA	9.7 J
COBALT	NA	NA	NA	NA	NA	6.6 J
COPPER	NA	NA	NA	NA	NA	12.2 J
IRON	NA	NA	NA	NA	NA	9290 J
LEAD	NA	NA	NA	NA	NA	20.4
MANGANESE	NA	NA	NA	NA	NA	34.2
MERCURY	NA	NA	NA	NA	NA	0.53
MOLYBDENUM	NA	NA	NA	NA	NA	0.24
NICKEL	NA	NA	NA	NA	NA	11 J
SELENIUM	NA	NA	NA	NA	NA	1.2
SILVER	NA	NA	NA	NA	NA	0.27
THALLIUM	NA	NA	NA	NA	NA	0.12 B
VANADIUM	NA	NA	NA	NA	NA	16.8 J
ZINC	NA	NA	NA	NA	NA	52 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	140000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	53 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	0.36 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.61 U	0.51 U	0.43 U	0.59 U	0.57 U
1,1,1-TRICHLOROETHANE	0.52 U	0.55 U	0.46 U	0.39 U	0.53 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.3 U	1.1 U	0.91 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
1,1-DICHLOROETHENE	0.48 U	0.51 U	0.43 U	0.36 U	0.49 U	0.47 U
1,1-DICHLOROPROPENE	0.28 U	0.3 U	0.25 U	0.21 U	0.28 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.37 U	0.31 U	0.26 U	0.36 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.89 U	0.74 U	0.63 U	0.85 U	0.82 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.17 U	0.14 U	0.12 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.27 U	0.22 U	0.19 U	0.26 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.64 U	0.53 U	0.45 U	0.61 U	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.3 U	1.1 U	0.91 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.46 U	0.49 U	0.41 U	0.35 U	0.47 U	0.46 U
1,2-DICHLOROBENZENE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
1,2-DICHLOROETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,2-DICHLOROPROPANE	0.64 U	0.68 U	0.56 U	0.48 U	0.65 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.34 U	0.29 U	0.24 U	0.33 U	0.32 U
1,3-DICHLOROPROPANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.65 U	0.54 U	0.46 U	0.62 U	0.6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.93 U	0.77 U	0.66 U	0.89 U	0.86 U
2-BUTANONE	3.5 J	1.4 U	2.2 J	0.98 U	1.3 U	2.7 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.4 U	1.1 U	0.98 U	1.3 U	1.3 U
2-CHLOROTOLUENE	0.37 U	0.39 U	0.33 U	0.28 U	0.38 U	0.37 U
2-HEXANONE	0.58 U	0.62 U	0.52 U	0.44 U	0.6 U	0.58 U
4-CHLOROTOLUENE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
4-ISOPROPYLTOLUENE	0.19 U	0.21 U	0.17 U	0.15 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
ACETONE	42 B	6.2 U	21 B	4.4 U	6 U	59 B
BENZENE	0.21 U	0.23 U	0.19 U	0.16 U	0.22 U	0.21 U
BROMOBENZENE	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
BROMOCHLOROMETHANE	0.66 U	0.7 U	0.58 U	0.49 U	0.67 U	0.65 U
BROMODICHLOROMETHANE	0.26 U	0.28 U	0.23 U	0.2 U	0.26 U	0.26 U
BROMOFORM	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
BROMOMETHANE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
CARBON DISULFIDE	0.41 U	0.43 U	0.36 U	0.31 U	0.42 U	0.4 U
CARBON TETRACHLORIDE	0.34 U	0.36 U	0.3 U	0.26 U	0.35 U	0.34 U
CHLOROBENZENE	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
CHLORODIBROMOMETHANE	0.51 U	0.54 U	0.45 U	0.38 U	0.52 U	0.5 U
CHLOROETHANE	0.79 U	0.85 U	0.7 U	0.6 U	0.81 U	0.79 U
CHLOROFORM	0.27 U	0.29 U	0.24 U	0.2 U	0.27 U	0.26 U
CHLOROMETHANE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
DIBROMOMETHANE	0.58 U	0.62 U	0.52 U	0.44 U	0.6 U	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U	0.49 U	0.41 U	0.35 U	0.47 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.5 U	1.2 U	1 U	1.4 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.22 U	0.18 U	0.15 U	0.21 U	0.2 U
ETHYLBENZENE	0.24 U	0.26 U	0.21 U	0.18 U	0.25 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.2 U	0.98 U	0.84 U	1.1 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.16 U	0.13 U	0.11 U	0.15 U	0.15 U
M+P-XYLENES	1.1 U	1.2 U	0.98 U	0.84 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.4 U	0.42 U	0.35 U	0.3 U	0.41 U	0.39 U
METHYLENE CHLORIDE	0.62 U	0.66 U	0.55 U	0.47 U	0.63 U	0.61 U
NAPHTHALENE	0.18 U	0.19 U	0.16 U	0.13 U	0.18 U	0.17 U
N-BUTYLBENZENE	0.21 U	0.23 U	0.19 U	0.16 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.37 U	0.39 U	0.33 U	0.28 U	0.38 U	0.37 U
O-XYLENE	0.32 U	0.34 U	0.29 U	0.24 U	0.33 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.18 U	0.15 U	0.13 U	0.17 U	0.16 U
STYRENE	0.14 U	0.15 U	0.12 U	0.1 U	0.14 U	0.14 U
TERT-AMYL METHYL ETHER	0.34 U	0.36 U	0.3 U	0.26 U	0.35 U	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.29 U	0.24 U	0.2 U	0.27 U	0.26 U
TERTIARY-BUTYL ALCOHOL	7 UR	7.5 UR	6.2 UR	5.3 UR	7.2 UR	6.9 UR
TETRACHLOROETHENE	0.48 U	0.51 U	0.43 U	0.36 U	0.49 U	0.47 U
TOLUENE	0.25 U	0.27 U	0.22 U	0.19 U	0.26 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.66 U	0.55 U	0.47 U	0.63 U	0.61 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
TRICHLOROETHENE	0.39 U	0.41 U	0.34 U	0.29 U	0.4 U	0.38 U
TRICHLOROFLUOROMETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
VINYL ACETATE	0.23 U	0.25 U	0.2 U	0.17 U	0.24 U	0.23 U
VINYL CHLORIDE	0.36 U	0.38 U	0.32 U	0.27 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	32 U	30 UJ	34 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	26 U	24 UJ	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	11 U	11 UJ	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	30 U	30 U	28 U	31 U	30 U
2,4,6-TRICHLOROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2,4-DICHLOROPHENOL	24 U	24 U	24 U	22 U	25 U	24 U
2,4-DIMETHYLPHENOL	24 U	24 U	24 U	22 U	25 U	24 U
2,4-DINITROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2,4-DINITROTOLUENE	33 U	33 U	32 U	30 UJ	34 U	32 U
2,6-DINITROTOLUENE	26 U	26 U	25 U	23 UJ	26 U	25 U
2-CHLORONAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
2-CHLOROPHENOL	33 U	33 U	32 U	30 U	34 U	32 U
2-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2-NITROANILINE	11 U	11 U	11 U	10 UJ	11 U	11 U
2-NITROPHENOL	33 U	33 U	32 U	30 U	34 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	20 UJ	22 U	21 U
3-NITROANILINE	19 U	19 U	19 U	18 UJ	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	14 UJ	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	25 U	23 U	26 U	25 U
4-CHLOROANILINE	21 U	21 U	20 U	19 UJ	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	14 UJ	16 U	15 U
4-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
4-NITROANILINE	32 U	32 U	31 U	29 UJ	32 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
ACETOPHENONE	11 U	11 U	11 U	10 UJ	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	10 UJ	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	14 U	13 UJ	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	26 U	24 UJ	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.4 U	2.4 U	2.2 UJ	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	23 U	23 U	21 UJ	24 U	23 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	11 UJ	12 U	12 U
CAPROLACTAM	45 U	45 U	45 U	41 UJ	46 U	44 U
CARBAZOLE	33 U	33 U	32 U	30 UJ	34 U	32 U
DIBENZOFURAN	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
DIETHYL PHTHALATE	19 U	19 U	19 U	18 UJ	20 U	19 U
DIMETHYL PHTHALATE	21 U	21 U	20 U	19 UJ	21 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	18 U	17 UJ	19 U	18 U
DI-N-OCTYL PHTHALATE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.5 U	2.3 UJ	2.6 U	2.5 U
HEXACHLOROBUTADIENE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROETHANE	11 U	11 U	11 U	10 UJ	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	14 UJ	16 U	15 U
NITROBENZENE	2.7 U	2.7 U	2.6 U	2.4 UJ	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	18 UJ	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	32 U	30 UJ	34 U	32 U
N-NITROSODIPHENYLAMINE	26 U	26 U	25 U	23 UJ	26 U	25 U
PENTACHLOROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
PHENOL	33 U	33 U	32 U	30 U	34 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ACENAPHTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ACENAPHTHYLENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	4 U	4 U	4 U	3.7 U	4.1 U	3.9 U
BAP EQUIVALENT-POS	4 U	4 U	4 U	3.7 U	4.1 U	3.9 U
BENZO(A)ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(A)PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.2 UJ	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
FLUORENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
NAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
PHENANTHRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.75 U	0.75 U	0.75 U	0.69 U	0.77 UJ	0.74 UJ
4,4'-DDE	0.47 U	0.47 U	0.47 U	0.43 U	0.49 U	0.46 U
4,4'-DDT	0.77 U	0.77 U	0.76 U	0.7 U	0.78 U	0.75 U
ALDRIN	1.5 U	1.5 U	1.4 U	1.3 U	1.5 UJ	1.4 UJ
ALPHA-BHC	0.89 U	0.89 U	0.88 U	0.81 U	0.91 UJ	0.87 UJ
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1 U	1.2 UJ	1.1 UJ
AROCLOR-1016	26 U	26 U	25 U	23 U	26 U	25 U
AROCLOR-1221	19 U	19 U	19 U	18 U	20 U	19 U
AROCLOR-1232	17 U	17 U	17 U	15 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	14 U	16 U	15 U
AROCLOR-1248	21 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1254	21 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1260	21 U	21 U	20 U	19 U	21 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.2 U	1.4 UJ	1.3 UJ
DELTA-BHC	1.5 U	1.5 U	1.4 U	1.3 U	1.5 UJ	1.4 UJ
DIELDRIN	0.57 U	0.57 U	0.57 U	0.52 U	0.58 UJ	0.56 UJ
ENDOSULFAN I	0.63 U	0.63 U	0.63 U	0.58 U	0.65 UJ	0.62 UJ
ENDOSULFAN II	1 U	1 U	0.99 U	0.91 U	1 UJ	0.97 UJ
ENDOSULFAN SULFATE	1.1 U	1.1 U	1 U	0.96 U	1.1 UJ	1 UJ
ENDRIN	0.61 U	0.61 U	0.6 U	0.55 U	0.62 UJ	0.59 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.77 U	0.76 U	0.7 U	0.78 U	0.75 U
GAMMA-BHC (LINDANE)	0.9 U	0.9 U	0.89 U	0.82 U	0.92 UJ	0.88 UJ
GAMMA-CHLORDANE	0.51 U	0.51 U	0.51 U	0.46 U	0.52 UJ	0.5 UJ
HEPTACHLOR	1.3 U	1.3 U	1.3 U	1.2 U	1.4 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.97 U	0.97 U	0.96 U	0.89 U	1 UJ	0.95 UJ
METHOXYCHLOR	1.8 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	23 U	23 U	21 U	24 U	23 U
METALS (MG/KG)						
ANTIMONY	0.15 UL	0.3 J	0.25 B	0.35 J	0.15 B	0.31 J
ARSENIC	2.5 J	7.5 J	5 J	5 J	6.1 J	9.2 J
BARIUM	30.3	14.5	13.9	48.1	8.1	7.8

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.6	4	3.2	0.9	1.2	2.4
CADMIUM	0.017 J	0.025 J	0.019 B	0.55 K	0.0097 UL	0.0093 UL
CHROMIUM	12.7 J	30.7 J	24.3 J	14.6 J	23.2 J	29.5 J
COBALT	4 J	8.1 J	6.5 J	11.8 J	4.3 J	5.1 J
COPPER	13.9 J	20.3 J	15.9 J	17.3 J	36.3 J	37.6 J
IRON	11300 J	37500 J	30600 J	19100 J	34500 J	45200 J
LEAD	7.3	7.9	7.1	1010	4.5	6.2
MANGANESE	11.1	81	42.8	97.8	16.5	46.5
MERCURY	0.018 U	0.018 U	0.018 U	0.47	0.019 U	0.018 U
MOLYBDENUM	0.35	0.57	0.45	0.48	0.52	0.73
NICKEL	8.9 J	28.5 J	19.3 J	18.2 J	14.7 J	14.4 J
SELENIUM	1.3	2.1	1.7	1	0.6 J	0.93
SILVER	0.019 U	0.019 U	0.019 UL	0.25	0.02 UL	0.019 UL
THALLIUM	0.15 J	0.17 J	0.14 B	0.072 U	0.067 B	0.05 B
VANADIUM	17.7 J	53.2 J	44.1 J	24.5 J	46 J	65.7 J
ZINC	51 J	45.8 J	37.1 J	58 J	50.9 J	27.7 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	9500 B	6200 B	5900 B	33000	10000 J	6100 J
GASOLINE RANGE ORGANICS	56 U	56 U	55 U	51 U	57 U	55 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.33 U	0.4 J	0.32 U	0.86 J	0.34 U	0.71 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.56 U	0.56 U	0.53 U	0.56 U	0.53 U	0.45 U
1,1,1-TRICHLOROETHANE	0.5 U	0.51 U	0.48 U	0.51 U	0.48 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	0.95 U
1,1-DICHLOROETHANE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
1,1-DICHLOROETHENE	0.47 U	0.47 U	0.44 U	0.47 U	0.44 U	0.38 U
1,1-DICHLOROPROPENE	0.27 U	0.27 U	0.26 U	0.27 U	0.26 U	0.22 U
1,2,3-TRICHLOROBENZENE	0.34 U	0.34 U	0.32 U	0.34 U	0.32 U	0.28 U
1,2,3-TRICHLOROPROPANE	0.81 U	0.81 U	0.77 U	0.81 U	0.77 U	0.66 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.12 U
1,2,4-TRICHLOROBENZENE	0.24 U	0.24 U	0.23 U	0.24 U	0.23 U	0.2 U
1,2,4-TRIMETHYLBENZENE	0.58 U	0.59 U	0.55 U	0.59 U	0.56 U	0.47 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	0.95 U
1,2-DIBROMOETHANE	0.45 U	0.45 U	0.43 U	0.45 U	0.43 U	0.37 U
1,2-DICHLOROBENZENE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
1,2-DICHLOROETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,2-DICHLOROPROPANE	0.62 U	0.62 U	0.59 U	0.62 U	0.59 U	0.5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.31 U	0.32 U	0.3 U	0.32 U	0.3 U	0.26 U
1,3-DICHLOROPROPANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.59 U	0.6 U	0.56 U	0.6 U	0.56 U	0.48 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.85 U	0.85 U	0.8 U	0.85 U	0.8 U	0.69 U
2-BUTANONE	1.3 U	1.3 U	5.5 J	1.3 U	1.2 U	4.3 B
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U	1 U
2-CHLOROTOLUENE	0.36 U	0.36 U	0.34 U	0.36 U	0.34 U	0.29 U
2-HEXANONE	0.57 U	0.57 U	0.54 U	0.57 U	0.54 U	0.46 U
4-CHLOROTOLUENE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
4-ISOPROPYLTOLUENE	0.19 U	0.19 U	0.18 U	0.19 U	0.18 U	0.15 U
4-METHYL-2-PENTANONE	0.49 U	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
ACETONE	5.7 U	6.1 B	71	13 B	5.4 U	320 B
BENZENE	0.21 U	0.21 U	0.2 U	0.21 U	0.2 U	0.17 U
BROMOBENZENE	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
BROMOCHLOROMETHANE	0.64 U	0.64 U	0.61 U	0.64 U	0.61 U	0.52 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.24 U	0.25 U	0.24 U	0.2 U
BROMOFORM	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
BROMOMETHANE	0.49	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
CARBON DISULFIDE	0.4 U	0.4 U	1.4 J	0.4 U	0.38 U	0.81 B
CARBON TETRACHLORIDE	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.27 U
CHLOROBENZENE	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
CHLORODIBROMOMETHANE	0.49 U	0.5 U	0.47 U	0.5 U	0.47 U	0.4 U
CHLOROETHANE	0.77 U	0.78 U	0.73 U	0.78 U	0.74 U	0.63 U
CHLOROFORM	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.21 U
CHLOROMETHANE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
CIS-1,2-DICHLOROETHENE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
DIBROMOMETHANE	0.57 U	0.57 U	0.54 U	0.57 U	0.54 U	0.46 U
DICHLORODIFLUOROMETHANE	0.45 U	0.45 U	0.43 U	0.45 U	0.43 U	0.37 U
DIISOPROPYL ETHER	1.3 U	1.4 U	1.3 U	1.4 U	1.3 U	1.1 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.16 U
ETHYLBENZENE	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.19 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.1 U	1 U	1.1 U	1 U	0.88 U
ISOPROPYLBENZENE	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.12 U
M+P-XYLENES	1.1 U	1.1 U	1 U	1.1 U	1 U	0.88 U
METHYL TERT-BUTYL ETHER	0.39 U	0.39 U	0.37 U	0.39 U	0.37 U	0.31 UJ
METHYLENE CHLORIDE	0.6 U	0.6 U	0.57 U	0.61 U	0.57 U	1 B
NAPHTHALENE	0.17 U	0.17 U	0.16 U	0.17 U	0.16 U	0.75 B
N-BUTYLBENZENE	0.21 U	0.21 U	0.2 U	0.21 U	0.2 U	0.17 U
N-PROPYLBENZENE	0.36 U	0.36 U	0.34 U	0.36 U	0.34 U	0.29 U
O-XYLENE	0.31 U	0.32 U	0.3 U	0.32 U	0.3 U	0.26 U
SEC-BUTYLBENZENE	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.13 U
STYRENE	0.13 U	0.14 U	0.13 U	0.14 U	0.13 U	0.11 U
TERT-AMYL METHYL ETHER	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.27 UJ
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.21 U
TERTIARY-BUTYL ALCOHOL	6.8 UR	6.9 UR	6.5 UR	6.9 UR	6.5 UR	44 B
TETRACHLOROETHENE	0.47 U	0.47 U	0.44 U	0.47 U	0.44 U	0.38 U
TOLUENE	0.24 U	0.24 U	0.23 U	0.24 U	0.23 U	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.6 U	0.6 U	0.57 U	0.61 U	0.57 U	0.49 U
TRANS-1,2-DICHLOROETHENE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
TRANS-1,3-DICHLOROPROPENE	0.49 U	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
TRICHLOROETHENE	0.38 U	0.38 U	0.36 U	0.38 U	0.36 U	0.31 U
TRICHLOROFLUOROMETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
VINYL ACETATE	0.22 U	0.23 U	0.21 U	0.23 U	0.21 U	0.18 U
VINYL CHLORIDE	0.35 U	0.35 U	0.33 U	0.35 U	0.33 U	0.28 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	32 U	33 U	32 U	31 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	26 U	27 U	26 U	25 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	12 U	11 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	31 U	30 U	29 U	30 U
2,4,6-TRICHLOROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2,4-DICHLOROPHENOL	24 U	23 U	25 U	24 U	23 U	24 U
2,4-DIMETHYLPHENOL	24 U	23 U	25 U	24 U	23 U	24 U
2,4-DINITROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2,4-DINITROTOLUENE	32 U	32 U	33 U	32 U	31 U	32 U
2,6-DINITROTOLUENE	25 U	25 U	26 U	25 U	24 U	25 U
2-CHLORONAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
2-CHLOROPHENOL	32 U	32 U	33 U	32 U	31 U	32 U
2-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2-NITROANILINE	11 U	11 U	11 U	11 U	10 U	11 U
2-NITROPHENOL	32 U	32 U	33 U	32 U	31 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	22 U	21 U	21 U	22 U
3-NITROANILINE	19 U	19 U	20 U	19 U	18 U	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	16 U	15 U	15 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	25 U	26 U	25 U	24 U	25 U
4-CHLOROANILINE	20 U	20 U	21 U	20 U	19 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	16 U	15 U	15 U	16 U
4-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
4-NITROANILINE	31 U	30 U	32 U	31 U	30 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
ACETOPHENONE	11 U	11 U	11 U	11 U	10 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	10 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	15 U	14 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	26 U	27 U	26 U	25 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.5 U	2.4 U	2.3 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	35 J	24 U	23 U	110	23 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	12 U	11 U	12 U
CAPROLACTAM	44 U	43 U	46 U	44 U	42 U	44 U
CARBAZOLE	32 U	32 U	33 U	32 U	31 U	32 U
DIBENZOFURAN	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
DIETHYL PHTHALATE	19 U	19 U	20 U	19 U	18 U	19 U
DIMETHYL PHTHALATE	20 U	20 U	21 U	20 U	19 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	19 U	18 U	17 U	18 U
DI-N-OCTYL PHTHALATE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROBENZENE	2.5 U	2.5 U	2.6 U	2.5 U	2.4 U	2.5 U
HEXACHLOROBUTADIENE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROCYCLOPENTADIENE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	10 U	11 U
ISOPHORONE	15 U	15 U	16 U	15 U	15 U	16 U
NITROBENZENE	2.6 U	2.6 U	2.7 U	2.6 U	2.5 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	19 U	20 U	19 U	18 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	32 U	33 U	32 U	31 U	32 U
N-NITROSODIPHENYLAMINE	25 U	25 U	26 U	25 U	24 U	25 U
PENTACHLOROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
PHENOL	32 U	32 U	33 U	32 U	31 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ACENAPHTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	8.5
BAP EQUIVALENT-HALFND	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	38.6
BAP EQUIVALENT-POS	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	38.6
BENZO(A)ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	21
BENZO(A)PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	17
BENZO(B)FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	25
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	12
BENZO(K)FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	17
DIBENZO(A,H)ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	16
FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	35
FLUORENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	10
NAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
PHENANTHRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	36
PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	28
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	225.5
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 UJ	0.73 UJ	3.8 UJ	0.74 UJ	0.71 U	37 U
4,4'-DDE	0.46 U	0.46 U	2.4 U	0.46 U	0.44 U	23 UJ
4,4'-DDT	0.75 U	0.74 U	3.9 U	0.75 U	0.72 U	38 U
ALDRIN	1.4 UJ	1.4 UJ	7.4 U	1.4 UJ	1.4 U	72 U
ALPHA-BHC	0.86 UJ	0.86 UJ	4.5 U	0.87 UJ	0.83 U	44 UJ
ALPHA-CHLORDANE	1.1 UJ	1.1 UJ	5.8 U	1.1 UJ	1.1 U	56 UJ
AROCLOR-1016	25 U	25 U	26 U	25 U	24 U	25 U
AROCLOR-1221	19 U	19 U	20 U	19 U	18 U	19 U
AROCLOR-1232	17 U	16 U	17 U	17 U	16 U	17 U
AROCLOR-1242	15 U	15 U	16 U	15 U	15 U	16 U
AROCLOR-1248	20 U	20 U	21 U	20 U	19 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	19 U	20 U
AROCLOR-1260	20 U	20 U	21 U	20 U	19 U	20 U
BETA-BHC	1.3 UJ	1.3 UJ	6.8 U	1.3 UJ	1.3 U	66 UJ
DELTA-BHC	1.4 UJ	1.4 UJ	7.4 U	1.4 UJ	1.4 U	72 UJ
DIELDRIN	0.56 UJ	0.55 UJ	2.9 U	0.56 UJ	0.54 U	28 UJ
ENDOSULFAN I	0.62 UJ	0.61 UJ	3.2 U	0.62 UJ	0.59 U	31 UJ
ENDOSULFAN II	0.97 UJ	0.96 UJ	5.1 U	0.98 UJ	0.93 U	49 U
ENDOSULFAN SULFATE	1 UJ	1 UJ	5.4 U	1 UJ	0.99 U	52 U
ENDRIN	0.59 UJ	0.59 UJ	3.1 U	0.59 UJ	0.57 U	30 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	6.2 U	1.2 U	1.1 U	60 U
ENDRIN KETONE	0.75 U	0.74 U	3.9 U	0.75 U	0.72 U	38 U
GAMMA-BHC (LINDANE)	0.88 UJ	0.87 UJ	4.6 U	0.88 UJ	0.84 U	44 UJ
GAMMA-CHLORDANE	0.5 UJ	0.49 UJ	2.6 U	0.5 UJ	0.48 U	25 UJ
HEPTACHLOR	1.3 UJ	1.3 UJ	6.8 U	1.3 UJ	1.3 U	66 UJ
HEPTACHLOR EPOXIDE	0.95 UJ	0.94 UJ	4.9 U	0.95 UJ	0.91 U	48 UJ
METHOXYCHLOR	1.8 U	1.8 U	9.3 U	1.8 U	1.7 U	90 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	22 U	120 U	23 U	22 U	1100 U
METALS (MG/KG)						
ANTIMONY	0.059 B	0.19 B	0.34 J	0.31 J	0.027 UJ	0.21 J
ARSENIC	1.8 J	3 J	8 J	5.8 J	2.6 J	4.6
BARIUM	8.4	14.8	13.4	16.4	7.5	24.8 J

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.66	1.5	2.2	2.8	0.77	2.2
CADMIUM	0.0092 UL	0.024 B	0.023 B	0.036 J	0.0089 UL	0.037 J
CHROMIUM	8.7 J	14.7 J	23.9 J	21.9 J	6.8 J	17
COBALT	2 J	7.7 J	6.5 J	5.6 J	3.1 J	9.8
COPPER	5.7 J	15.7 J	36.2 J	110 J	9.7 J	25.8 J
IRON	4670 J	17600 J	45800 J	35400 J	2570 J	20600 J
LEAD	3.2	9.4	7.7	7.4	4.4	13.8 J
MANGANESE	9.4	67.3	118	61.5	14.9	94.3 J
MERCURY	0.018 U	0.018 U	0.019 U	0.018 U	0.017 U	0.3 K
MOLYBDENUM	0.075 U	0.29	0.89	0.54	0.072 U	0.54
NICKEL	4.5 J	21.4 J	16.6 J	24.8 J	4.4 J	14.6 J
SELENIUM	1.5	2.5	0.86	2.7	3.3	2.6 L
SILVER	0.019 UL	0.019 UL	0.02 UL	0.019 UL	0.018 UL	0.2 K
THALLIUM	0.07 B	0.081 B	0.038 B	0.12 B	0.1 B	0.064 J
VANADIUM	10.4 J	25.3 J	57.7 J	38.3 J	9.7 J	25.7
ZINC	13.4 J	35 J	31.2 J	71.3 J	10.8 J	28.6 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	3300 U	3400 J	37000	6700 J	3200 U	73000
GASOLINE RANGE ORGANICS	54 U	54 U	57 U	55 U	52 U	55 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.32 U	0.73 J	0.94 J	0.5 J	0.31 U	0.91 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.71 UJ	0.58 U	6.9 U	8.5 U	0.68 U
1,1,1-TRICHLOROETHANE	0.51 U	0.64 UJ	0.53 U	16 U	20 U	0.62 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.39 UJ	0.32 U	6.8 U	8.3 U	0.38 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.5 UJ	1.2 U	30 U	36 U	1.4 U
1,1-DICHLOROETHANE	0.33 U	0.41 UJ	0.34 U	13 U	16 U	0.4 U
1,1-DICHLOROETHENE	0.48 U	0.6 UJ	0.49 U	14 U	17 U	0.57 U
1,1-DICHLOROPROPENE	0.28 U	0.35 UJ	0.28 U	7.6 U	9.3 U	0.33 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.44 UJ	0.36 U	7.6 U	9.3 U	0.42 U
1,2,3-TRICHLOROPROPANE	0.83 U	1 UJ	0.85 U	16 U	20 U	0.99 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.2 UJ	0.16 U	23 J	8.3 J	3.4 J
1,2,4-TRICHLOROBENZENE	0.25 U	0.31 UJ	0.25 U	5.6 U	6.8 U	0.3 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.75 UJ	0.61 U	41 J	4.7 U	19
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.5 UJ	1.2 U	38 U	47 U	1.4 U
1,2-DIBROMOETHANE	0.46 U	0.58 UJ	0.47 U	7.6 U	9.3 U	0.55 U
1,2-DICHLOROBENZENE	0.33 U	0.41 UJ	0.34 U	6.6 U	8 U	0.4 U
1,2-DICHLOROETHANE	0.31 U	0.39 UJ	0.32 U	7.6 U	9.3 U	0.38 U
1,2-DICHLOROPROPANE	0.63 U	0.79 UJ	0.65 U	6.3 U	7.6 U	0.76 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.4 UJ	0.33 U	3.7 U	4.5 U	0.39 U
1,3-DICHLOROPROPANE	0.31 U	0.39 UJ	0.32 U	17 U	20 U	0.38 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.76 UJ	0.62 U	6.1 U	7.4 U	0.73 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	1.1 UJ	0.88 U	18 U	21 U	1 U
2-BUTANONE	1.4 J	5 J	1.3 U	120 B	40 U	5.9 B
2-CHLOROETHYL VINYL ETHER	1.3 U	1.6 UJ	1.3 U	33 U	40 U	1.5 U
2-CHLOROTOLUENE	0.37 U	0.46 UJ	0.38 U	6.9 U	8.4 U	0.44 U
2-HEXANONE	0.58 U	0.73 UJ	0.59 U	15 U	19 U	0.7 U
4-CHLOROTOLUENE	0.38 U	0.47 UJ	0.39 U	7.6 U	9.2 U	0.45 U
4-ISOPROPYLTOLUENE	0.19 U	0.24 UJ	0.2 U	3.7 U	4.5 U	0.34 J
4-METHYL-2-PENTANONE	0.5 U	0.62 UJ	0.51 U	37 U	45 U	0.6 U
ACETONE	11 B	390 B	220 B	130 U	160 U	35 B
BENZENE	0.21 U	0.26 UJ	0.22 U	9.2 U	11 U	0.25 U
BROMOBENZENE	0.3 U	0.38 UJ	0.31 U	9.9 U	12 U	0.36 U
BROMOCHLOROMETHANE	0.65 U	0.82 UJ	0.67 U	9.9 U	12 U	0.78 U
BROMODICHLOROMETHANE	0.26 U	0.32 UJ	0.26 U	7.6 U	9.2 U	0.31 U
BROMOFORM	0.3 U	0.38 UJ	0.31 U	15 U	18 U	0.36 U
BROMOMETHANE	0.5 U	0.62 UJ	0.51 U	22 U	27 U	0.6 U
CARBON DISULFIDE	0.9 B	2.3 B	0.97 B	35 J	11 U	1.4 B
CARBON TETRACHLORIDE	0.34 U	0.43 UJ	0.35 U	4.9 U	6 U	0.41 U
CHLOROBENZENE	0.3 U	0.38 UJ	0.31 U	4.9 U	6 U	0.36 U
CHLORODIBROMOMETHANE	0.5 U	0.63 UJ	0.52 U	9.2 U	11 U	0.61 U
CHLOROETHANE	0.79 U	0.99 UJ	0.81 U	47 U	57 U	0.95 U
CHLOROFORM	0.27 U	0.33 UJ	0.27 U	6.7 U	8.2 U	0.32 U
CHLOROMETHANE	0.38 U	0.47 UJ	0.39 U	11 U	13 U	0.45 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.41 UJ	0.34 U	5.3 U	6.4 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.39 UJ	0.32 U	6 U	7.4 U	0.38 U
DIBROMOMETHANE	0.58 U	0.73 UJ	0.59 U	11 U	13 U	0.7 U
DICHLORODIFLUOROMETHANE	0.46 U	0.58 UJ	0.47 U	12 U	15 U	0.55 U
DIISOPROPYL ETHER	1.4 U	1.7 UJ	1.4 U	38 U	47 U	1.7 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.25 UJ	0.21 U	0.17 U	0.2 U	0.24 U
ETHYLBENZENE	0.24 U	0.3 UJ	0.24 U	40 J	13 J	0.67 J
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.4 UJ	1.1 U	11 U	13 U	1.3 U
ISOPROPYLBENZENE	0.15 U	0.18 UJ	0.15 U	5.2 J	6.1 U	3.1 J
M+P-XYLENES	1.1 U	1.4 UJ	1.1 U	68 J	21 J	6 J
METHYL TERT-BUTYL ETHER	0.39 U	0.49 UJ	0.4 UJ	5.4 U	6.6 U	0.47 U
METHYLENE CHLORIDE	1.3 B	3.8 B	0.63 U	120 J	120 J	5.2 B
NAPHTHALENE	0.95 B	1.1 B	0.85 B	4000	1900	4.1 B
N-BUTYLBENZENE	0.21 U	0.26 UJ	0.22 U	6.1 U	7.4 U	0.25 U
N-PROPYLBENZENE	0.37 U	0.46 UJ	0.38 U	11 U	13 U	1.2 J
O-XYLENE	0.32 U	0.4 UJ	0.33 U	50 J	20 J	35
SEC-BUTYLBENZENE	0.17 U	0.21 UJ	0.17 U	3.6 U	4.4 U	0.2 U
STYRENE	0.14 U	0.17 UJ	0.14 U	4.3 U	5.2 U	0.17 U
TERT-AMYL METHYL ETHER	0.34 U	0.43 UJ	0.35 UJ	0.28 U	0.34 U	0.41 U
TERT-BUTYLBENZENE	0.27 U	0.33 UJ	0.27 U	5 U	6.1 U	0.32 U
TERTIARY-BUTYL ALCOHOL	49 B	67 B	51 B	2200 B	2600 B	59 B
TETRACHLOROETHENE	0.48 U	0.6 UJ	0.49 U	9.2 U	11 U	0.57 U
TOLUENE	0.25 U	0.31 UJ	0.25 U	13 U	16 U	0.3 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.77 UJ	0.63 U	120 J	41 J	42
TRANS-1,2-DICHLOROETHENE	0.38 U	0.47 UJ	0.39 U	7 U	8.6 U	0.45 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.62 UJ	0.51 U	15 U	19 U	0.6 U
TRICHLOROETHENE	0.39 U	0.48 UJ	0.39 U	7.4 U	9 U	0.46 U
TRICHLOROFLUOROMETHANE	0.31 U	0.39 UJ	0.32 U	12 U	15 U	0.38 U
VINYL ACETATE	0.23 U	0.29 UJ	0.23 U	18 U	21 U	0.28 U
VINYL CHLORIDE	0.36 U	0.45 UJ	0.37 U	14 U	17 U	0.43 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	34 U	33 U	32 U	34 U	33 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	28 U	27 U	26 U	28 U	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	12 U	12 U	11 U	12 U	12 U
2,4,5-TRICHLOROPHENOL	30 U	31 U	31 U	29 U	31 U	31 U
2,4,6-TRICHLOROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2,4-DICHLOROPHENOL	24 U	25 U	24 U	23 U	25 U	25 U
2,4-DIMETHYLPHENOL	24 U	25 U	24 U	23 U	25 U	25 U
2,4-DINITROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2,4-DINITROTOLUENE	33 U	34 U	33 U	32 U	34 U	33 U
2,6-DINITROTOLUENE	25 U	26 U	26 U	25 U	26 U	26 U
2-CHLORONAPHTHALENE	4 U	4.1 U	4 U	3.9 U	4.2 U	4.1 U
2-CHLOROPHENOL	33 U	34 U	33 U	32 U	34 U	33 U
2-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	33 U	34 U	33 U	32 U	34 U	33 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	23 U	22 U	21 U	23 U	22 U
3-NITROANILINE	19 U	20 U	20 U	19 U	20 U	20 U
4,6-DINITRO-2-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	16 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	26 U	26 U	25 U	26 U	26 U
4-CHLOROANILINE	21 U	21 U	21 U	20 U	21 U	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	16 U	16 U
4-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
4-NITROANILINE	31 U	33 U	32 U	31 U	33 U	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
ACETOPHENONE	11 U	12 U	11 U	11 U	12 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	15 U	15 U	14 U	15 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	28 U	27 U	26 U	28 U	27 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.5 U	2.4 U	2.3 U	2.5 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	24 U	23 U	22 J	24 U	24 U
BUTYL BENZYL PHTHALATE	12 U	13 U	12 U	12 U	13 U	12 U
CAPROLACTAM	45 U	46 U	45 U	43 U	47 U	46 U
CARBAZOLE	33 U	34 U	33 U	33 J	34 U	33 U
DIBENZOFURAN	4 U	4.1 U	4 U	18 J	8.9 J	4.1 U
DIETHYL PHTHALATE	19 U	20 U	20 U	19 U	20 U	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	20 U	21 U	21 U
DI-N-BUTYL PHTHALATE	18 U	19 U	18 U	18 U	19 U	19 U
DI-N-OCTYL PHTHALATE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROBENZENE	2.5 U	2.6 U	2.6 U	2.5 U	2.6 U	2.6 U
HEXACHLOROBUTADIENE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROCYCLOPENTADIENE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	15 U	16 U	16 U
NITROBENZENE	2.7 U	2.8 U	2.7 U	2.6 U	2.8 U	2.7 U
N-NITROSODIMETHYLAMINE	19 U	20 U	20 U	19 U	20 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	34 U	33 U	32 U	34 U	33 U
N-NITROSODIPHENYLAMINE	25 U	26 U	26 U	25 U	26 U	26 U
PENTACHLOROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
PHENOL	33 U	34 U	33 U	32 U	34 U	33 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4.1 U	4 U	16	45	4.1 U
ACENAPHTHENE	4 U	4.1 U	4 U	32	23	11
ACENAPHTHYLENE	4 U	4.1 U	4 U	3.9 U	4.2 U	4.1 U
ANTHRACENE	4 U	4.1 U	4 U	38	20	23
BAP EQUIVALENT-HALFND	4 U	14.4	4 U	161	50.0	58.2
BAP EQUIVALENT-POS	4 U	12.2	4 U	161	50.0	58.2
BENZO(A)ANTHRACENE	4 U	8.6	4 U	96	25	41
BENZO(A)PYRENE	4 U	9.9	4 U	100	24	30
BENZO(B)FLUORANTHENE	4 U	14	4 U	170	40	56
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	9.1	4 U	67	16	16
BENZO(K)FLUORANTHENE	4 U	4.1 U	4 U	71	16	19
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	9.1	1.3 U	230	57	54
DIBENZO(A,H)ANTHRACENE	4 U	4.1 U	4 U	28	18	17
FLUORANTHENE	4 U	17	4 U	140	84	140
FLUORENE	4 U	4.1 U	4 U	29	17	12
INDENO(1,2,3-CD)PYRENE	4 U	4.1 U	4 U	53	13	13
NAPHTHALENE	4 U	4.1 U	4 U	220	820	4.1 U
PHENANTHRENE	4 U	15	4 U	89	84	84
PYRENE	4 U	13	4 U	110	61	110
TOTAL PAHS	0 U	95.7	0 U	1489	1363	626
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.75 U	0.78 U	0.76 UJ	7.3 U	0.78 U	0.77 U
4,4'-DDE	0.47 UJ	0.49 UJ	0.48 U	4.6 U	0.49 U	0.48 U
4,4'-DDT	0.76 U	0.79 U	0.77 UJ	7.4 U	0.79 U	0.78 U
ALDRIN	1.4 U	1.5 U	1.5 U	14 U	1.5 U	1.5 U
ALPHA-BHC	0.88 UJ	0.91 UJ	0.89 U	8.6 UJ	0.92 UJ	0.91 UJ
ALPHA-CHLORDANE	1.1 UJ	1.2 UJ	1.1 U	11 U	1.2 U	1.2 U
AROCLOR-1016	25 U	26 U	26 U	25 U	26 U	26 U
AROCLOR-1221	19 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1232	17 U	18 U	17 U	16 U	18 U	17 U
AROCLOR-1242	16 U	16 U	16 U	15 U	16 U	16 U
AROCLOR-1248	21 U	21 U	21 U	20 U	21 U	21 U
AROCLOR-1254	21 U	21 U	21 U	20 U	21 U	21 U
AROCLOR-1260	21 U	21 U	21 U	20 U	21 U	21 U
BETA-BHC	1.3 UJ	1.4 UJ	1.3 U	13 UJ	1.4 UJ	1.4 UJ
DELTA-BHC	1.4 UJ	1.5 UJ	1.5 U	14 U	1.5 U	1.5 U
DIELDRIN	0.57 UJ	0.59 UJ	0.57 U	5.5 U	0.59 U	0.58 U
ENDOSULFAN I	0.63 UJ	0.65 UJ	0.63 U	6.1 U	0.65 U	0.65 U
ENDOSULFAN II	0.99 U	1 U	1 U	9.6 U	1 U	1 U
ENDOSULFAN SULFATE	1 U	1.1 U	1.1 U	10 U	1.1 U	1.1 U
ENDRIN	0.6 UJ	0.63 UJ	0.61 U	5.9 U	0.63 U	0.62 U
ENDRIN ALDEHYDE	1.2 U	1.3 U	1.2 U	12 U	1.3 U	1.2 U
ENDRIN KETONE	0.76 U	0.79 U	0.77 U	7.4 U	0.79 U	0.78 U
GAMMA-BHC (LINDANE)	0.89 UJ	0.93 UJ	0.9 U	8.7 UJ	0.93 UJ	0.92 UJ
GAMMA-CHLORDANE	0.51 UJ	0.53 UJ	0.51 U	4.9 U	0.53 U	0.52 U
HEPTACHLOR	1.3 UJ	1.4 UJ	1.3 U	13 UJ	1.4 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.97 UJ	1 UJ	0.98 U	9.4 UJ	1 UJ	0.99 UJ
METHOXYCHLOR	1.8 U	1.9 U	1.8 U	18 U	1.9 U	1.9 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	24 U	23 UJ	220 U	24 U	24 U
METALS (MG/KG)						
ANTIMONY	0.32 J	0.065 J	0.13 J	0.16 J	0.32 J	0.17 J
ARSENIC	5.8	3.2	3.6 L	3.9	7.7	14.3
BARIUM	24.8 J	6.1 J	10.7 J	20.2 J	27.7 J	12 J

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.7	1.2	4.8 J	2.4	4	1.2
CADMIUM	0.26 L	0.022 J	0.01 B	0.091 J	0.091 J	0.038 J
CHROMIUM	22.4	15	14.9 J	18.5	24.3	18.4
COBALT	20	4.7	15.6	13.2	14.9	7.9
COPPER	31.5 J	8.9 J	89.7	20.3 J	30 J	16.1 J
IRON	29600 J	15500 J	36600 J	19000 J	36400 J	19400 J
LEAD	21.7 J	2.9 J	6.7	12.2 J	13.4 J	5.9 J
MANGANESE	95.3 J	38 J	63.2	50.1 J	91.2 J	33.5 J
MERCURY	0.4 K	0.019 U	0.018 U	0.16 K	0.16 K	0.021 J
MOLYBDENUM	0.56	0.81	0.17 J	0.33	0.52	0.49
NICKEL	41 J	8.3 J	35.4 J	27.6 J	39.2 J	20.3 J
SELENIUM	4 L	0.45 J	1.2 J	2.4 L	3.5 L	1.3 L
SILVER	0.33 K	0.02 U	0.02 UJ	0.16 K	0.08 J	0.02 U
THALLIUM	0.063 J	0.016 UL	0.12	0.057 J	0.065 J	0.033 J
VANADIUM	34.4	21.8	24.5	28.4	38.4	33.7
ZINC	141 J	19.8 J	127	58.3 J	90 J	23 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	4700 J	56000	3400 UJ	26000	45000	92000
GASOLINE RANGE ORGANICS	56 U	58 U	56 U	250	150	190
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.33 U	0.34 U	0.89 J	0.32 U	0.7 J	0.54 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.54 U	0.48 U	0.58 U	0.55 U	0.53 U	0.5 U
1,1,1-TRICHLOROETHANE	0.48 U	0.43 U	0.52 U	0.5 U	0.48 U	0.45 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1 U
1,1-DICHLOROETHANE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
1,1-DICHLOROETHENE	0.45 U	0.4 U	0.49 U	0.46 U	0.45 U	0.42 U
1,1-DICHLOROPROPENE	0.26 U	0.23 U	0.28 U	0.27 U	0.26 U	0.24 U
1,2,3-TRICHLOROBENZENE	0.33 U	0.3 U	0.36 U	0.34 U	0.33 U	0.3 U
1,2,3-TRICHLOROPROPANE	0.78 U	0.7 U	0.84 U	0.8 U	0.77 U	0.72 U
1,2,3-TRIMETHYLBENZENE	0.41 B	0.13 U	0.16 U	0.15 U	0.15 U	0.15 J
1,2,4-TRICHLOROBENZENE	0.23 U	0.21 U	0.25 U	0.24 U	0.23 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.74 J	0.5 U	0.61 U	0.58 U	0.56 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1 U
1,2-DIBROMOETHANE	0.43 U	0.39 U	0.47 U	0.45 U	0.43 U	0.4 U
1,2-DICHLOROBENZENE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
1,2-DICHLOROETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,2-DICHLOROPROPANE	0.6 U	0.54 U	0.65 U	0.62 U	0.59 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.27 U	0.33 U	0.31 U	0.3 U	0.28 U
1,3-DICHLOROPROPANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.57 U	0.51 U	0.62 U	0.59 U	0.57 U	0.53 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.81 U	0.73 U	0.88 U	0.84 U	0.81 U	0.75 U
2-BUTANONE	1.3 B	5.6 J	6.1 J	1.9 B	2.5 J	19
2-CHLOROETHYL VINYL ETHER	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.1 U
2-CHLOROTOLUENE	0.35 U	0.31 U	0.37 U	0.36 U	0.34 U	0.32 U
2-HEXANONE	0.54 U	0.49 U	0.59 U	0.56 U	0.54 U	0.5 U
4-CHLOROTOLUENE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
4-ISOPROPYLTOLUENE	0.18 U	0.16 U	0.2 U	0.19 U	0.18 U	0.85 J
4-METHYL-2-PENTANONE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
ACETONE	26 B	36 B	240 B	45 B	290	110 B
BENZENE	0.79 J	0.18 U	0.22 U	0.21 U	0.2 U	0.18 U
BROMOBENZENE	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
BROMOCHLOROMETHANE	0.61 U	0.55 U	0.66 U	0.63 U	0.61 U	0.57 U
BROMODICHLOROMETHANE	0.24 U	0.22 U	0.26 U	0.25 U	0.24 U	0.22 U
BROMOFORM	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
BROMOMETHANE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
CARBON DISULFIDE	0.94 B	1.2 B	0.91 B	0.84 B	0.38 U	1 B
CARBON TETRACHLORIDE	0.32 U	0.29 U	0.35 U	0.33 U	0.32 U	0.3 U
CHLOROBENZENE	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
CHLORODIBROMOMETHANE	0.48 U	0.43 U	0.51 U	0.49 U	0.47 U	0.44 U
CHLOROETHANE	0.74 U	0.67 U	0.8 U	0.77 U	0.74 U	0.69 U
CHLOROFORM	0.25 U	0.23 U	0.27 U	0.26 U	0.25 U	0.23 U
CHLOROMETHANE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
DIBROMOMETHANE	0.54 U	0.49 U	0.59 U	0.56 U	0.54 U	0.5 U
DICHLORODIFLUOROMETHANE	0.43 U	0.39 U	0.47 U	0.45 U	0.43 U	0.4 U
DIISOPROPYL ETHER	1.3 U	1.2 U	1.4 U	1.3 U	1.3 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.17 U	0.21 U	0.2 U	0.19 U	0.18 U
ETHYLBENZENE	0.22 U	0.2 U	0.24 U	0.23 U	0.22 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	0.93 U	1.1 U	1.1 U	1 U	0.96 U
ISOPROPYLBENZENE	0.14 U	0.12 U	0.15 U	0.14 U	0.14 U	0.13 U
M+P-XYLENES	1 U	0.93 U	1.1 U	1.1 U	1 U	0.96 U
METHYL TERT-BUTYL ETHER	0.37 U	0.33 UJ	0.4 UJ	0.38 U	0.37 UJ	0.34 UJ
METHYLENE CHLORIDE	5.4 B	0.52 U	0.63 U	3.1 B	0.57 U	0.54 U
NAPHTHALENE	16	0.99 B	0.92 B	0.92 B	0.78 B	6 B
N-BUTYLBENZENE	0.2 U	0.18 U	0.22 U	0.21 U	0.2 U	0.18 U
N-PROPYLBENZENE	0.35 U	0.31 U	0.37 U	0.36 U	0.34 U	0.32 U
O-XYLENE	2 J	0.27 U	0.33 U	0.31 U	0.3 U	0.28 U
SEC-BUTYLBENZENE	0.16 U	0.14 U	0.17 U	0.16 U	0.15 U	0.14 U
STYRENE	0.13 U	0.12 U	0.14 U	0.13 U	0.13 U	0.12 U
TERT-AMYL METHYL ETHER	0.32 U	0.29 UJ	0.35 UJ	0.33 U	0.32 UJ	0.3 UJ
TERT-BUTYLBENZENE	0.25 U	0.23 U	0.27 U	0.26 U	0.25 U	0.23 U
TERTIARY-BUTYL ALCOHOL	46 B	42 B	56 B	47 B	48 B	6.1 UR
TETRACHLOROETHENE	0.45 U	0.4 U	0.49 U	0.46 U	0.45 U	0.42 U
TOLUENE	0.23 U	0.26 J	0.25 U	0.24 U	0.23 U	0.69 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	2.9 J	0.52 U	0.63 U	0.6 U	0.57 U	0.54 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
TRANS-1,3-DICHLOROPROPENE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
TRICHLOROETHENE	0.36 U	0.33 U	0.39 U	0.37 U	0.36 U	0.34 U
TRICHLOROFLUOROMETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
VINYL ACETATE	0.22 U	0.19 U	0.23 U	0.22 U	0.21 U	0.2 U
VINYL CHLORIDE	0.34 U	0.3 U	0.36 U	0.35 U	0.33 U	0.31 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	62 U	35 U	33 U	32 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	50 U	28 U	27 U	26 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	22 U	12 U	12 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	57 U	32 U	31 U	30 U	29 U
2,4,6-TRICHLOROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2,4-DICHLOROPHENOL	24 U	46 U	26 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	46 U	26 U	24 U	24 U	23 U
2,4-DINITROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2,4-DINITROTOLUENE	32 U	62 U	35 U	33 U	32 U	31 U
2,6-DINITROTOLUENE	25 U	48 U	27 U	26 U	25 U	24 U
2-CHLORONAPHTHALENE	3.9 U	7.5 U	4.2 U	4 U	3.9 U	3.8 U
2-CHLOROPHENOL	32 U	62 U	35 U	33 U	32 U	31 U
2-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2-NITROANILINE	11 U	21 U	12 U	11 U	11 U	10 U
2-NITROPHENOL	32 U	62 U	35 U	33 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	41 U	23 U	22 U	21 U	21 U
3-NITROANILINE	19 U	37 U	20 U	20 U	19 U	18 U
4,6-DINITRO-2-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
4-BROMOPHENYL PHENYL ETHER	15 U	30 U	17 U	16 U	15 U	15 U
4-CHLORO-3-METHYLPHENOL	25 U	48 U	27 U	26 U	25 U	24 U
4-CHLOROANILINE	20 U	39 U	22 U	21 U	20 U	19 U
4-CHLOROPHENYL PHENYL ETHER	15 U	30 U	17 U	16 U	15 U	15 U
4-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
4-NITROANILINE	31 U	59 U	33 U	32 U	31 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
ACETOPHENONE	11 U	21 U	12 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	21 U	12 U	11 U	11 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	27 U	15 U	15 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	50 U	28 U	27 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	4.6 U	2.6 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	43 U	24 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	23 U	13 U	12 U	12 U	11 U
CAPROLACTAM	44 U	84 U	47 U	45 U	44 U	42 U
CARBAZOLE	32 U	180	35 U	33 U	32 U	31 U
DIBENZOFURAN	3.9 U	120	4.2 U	4 U	3.9 U	3.8 U
DIETHYL PHTHALATE	19 U	37 U	20 U	20 U	19 U	18 U
DIMETHYL PHTHALATE	20 U	39 U	22 U	21 U	20 U	19 U
DI-N-BUTYL PHTHALATE	18 U	34 U	19 U	18 U	18 U	17 U
DI-N-OCTYL PHTHALATE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROBENZENE	2.5 U	4.8 U	2.7 U	2.6 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROETHANE	11 U	21 U	12 U	11 U	11 U	10 U
ISOPHORONE	15 U	30 U	17 U	16 U	15 U	15 U
NITROBENZENE	2.6 U	5 U	2.8 U	2.7 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	37 U	20 U	20 U	19 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	62 U	35 U	33 U	32 U	31 U
N-NITROSODIPHENYLAMINE	25 U	48 U	27 U	26 U	25 U	24 U
PENTACHLOROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
PHENOL	32 U	62 U	35 U	33 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	50	4.2 U	4 U	3.9 U	7.9
ACENAPHTHENE	3.9 U	230	4.2 U	4 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.9 U	7.5 U	4.2 U	4 U	3.9 U	3.8 U
ANTHRACENE	3.9 U	430	4.2 U	4 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	3.9 U	772	4.2 U	4 U	3.9 U	53.0
BAP EQUIVALENT-POS	3.9 U	772	4.2 U	4 U	3.9 U	51.1
BENZO(A)ANTHRACENE	3.9 U	720	4.2 U	4 U	3.9 U	26
BENZO(A)PYRENE	3.9 U	520	4.2 U	4 U	3.9 U	40
BENZO(B)FLUORANTHENE	3.9 U	680	4.2 U	4 U	3.9 U	48
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	250	4.2 U	4 U	3.9 U	25
BENZO(K)FLUORANTHENE	3.9 U	310	4.2 U	4 U	3.9 U	23
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	680	1.4 U	1.3 U	1.3 U	32
DIBENZO(A,H)ANTHRACENE	3.9 U	85	4.2 U	4 U	3.9 U	3.8 U
FLUORANTHENE	3.9 U	1700	4.2 U	4 U	3.9 U	49
FLUORENE	3.9 U	230	4.2 U	4 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	3.9 U	230	4.2 U	4 U	3.9 U	34
NAPHTHALENE	3.9 U	75	4.2 U	4 U	3.9 U	20
PHENANTHRENE	3.9 U	1600	4.2 U	4 U	3.9 U	29
PYRENE	3.9 U	1100	4.2 U	4 U	3.9 U	46
TOTAL PAHS	0 U	8890	0 U	0 U	0 U	379.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 U	0.71 UJ	0.79 UJ	0.76 U	0.74 UJ	0.71 UJ
4,4'-DDE	0.46 U	0.45 U	0.5 U	0.48 UJ	0.46 U	0.45 U
4,4'-DDT	0.75 U	0.72 UJ	0.81 UJ	0.77 U	0.75 UJ	0.72 UJ
ALDRIN	1.4 U	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U
ALPHA-BHC	0.86 UJ	0.83 U	0.94 U	0.89 UJ	0.87 U	0.83 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.2 U	1.1 UJ	1.1 U	1.1 U
AROCLOR-1016	25 U	24 U	27 U	26 U	25 U	24 U
AROCLOR-1221	19 U	18 U	20 U	20 U	19 U	18 U
AROCLOR-1232	17 U	16 U	18 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	17 U	16 U	15 U	15 U
AROCLOR-1248	20 U	19 U	22 U	21 U	20 U	19 U
AROCLOR-1254	20 U	19 U	22 U	21 U	20 U	19 U
AROCLOR-1260	20 U	19 U	22 U	21 U	20 U	19 U
BETA-BHC	1.3 UJ	1.3 U	1.4 U	1.3 UJ	1.3 U	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.5 U	1.5 UJ	1.4 U	1.4 U
DIELDRIN	0.56 U	0.54 U	0.6 U	0.57 UJ	0.56 U	0.54 U
ENDOSULFAN I	0.62 U	0.59 U	0.67 U	0.64 UJ	0.62 U	0.59 U
ENDOSULFAN II	0.97 U	0.94 U	1.1 U	1 U	0.98 U	0.94 U
ENDOSULFAN SULFATE	1 U	0.99 U	1.1 U	1.1 U	1 U	0.99 U
ENDRIN	0.59 U	0.57 U	0.64 U	0.61 UJ	0.59 U	0.57 UJ
ENDRIN ALDEHYDE	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.1 U
ENDRIN KETONE	0.75 U	0.72 U	0.81 U	0.77 U	0.75 U	0.72 U
GAMMA-BHC (LINDANE)	0.88 UJ	0.84 U	0.95 U	0.9 UJ	0.88 U	0.85 U
GAMMA-CHLORDANE	0.5 U	0.48 U	0.54 U	0.51 UJ	0.5 U	0.48 U
HEPTACHLOR	1.3 UJ	1.3 U	1.4 U	1.3 UJ	1.3 U	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 UJ	0.91 U	1 U	0.98 UJ	0.95 U	0.91 U
METHOXYCHLOR	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.7 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	22 UJ	24 UJ	23 U	23 UJ	22 U
METALS (MG/KG)						
ANTIMONY	0.2 J	0.18 J	0.33 J	0.35 J	0.34 J	0.14 UJ
ARSENIC	3.6	4.6 L	5.3 L	6.6	6.8 L	1.9
BARIUM	5.2 J	25.8 J	19.2 J	19.8 J	11 J	25.4

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.1	1.6 J	3.9 J	4.5	4.5 J	0.73
CADMIUM	0.025 J	0.15 K	0.041 J	0.025 J	0.067 J	1.1
CHROMIUM	26.8	17.7 J	26.4 J	38.8	34.2 J	8.8
COBALT	11.3	23.6	6.2	8.2	12.4	6.1
COPPER	13.6 J	20.3	23.3	21.9 J	20.3	17.2 L
IRON	31300 J	24200 J	40500 J	51100 J	72900 J	5730
LEAD	7 J	13.1	9.1	8 J	6.8	30.6
MANGANESE	16.6 J	111	66.1	89 J	43.4	17
MERCURY	0.018 U	0.096 J	0.019 U	0.018 U	0.018 U	0.6
MOLYBDENUM	0.69	0.4	0.72	0.93	1	0.16 J
NICKEL	23.8 J	30 J	22.3 J	34 J	51.2 J	11.1
SELENIUM	1.2 L	1.4 L	1.1 J	1.2 L	1.7 L	1.3 J
SILVER	0.019 U	0.14 J	0.02 UJ	0.02 U	0.019 UJ	0.65
THALLIUM	0.018 J	0.076 B	0.099 B	0.079 J	0.064 B	0.074 U
VANADIUM	68	32.1	42.5	50.6	88.5	13.1
ZINC	20.2 J	49.5	37.8	38.8 J	57.5	205 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	3300 U	81000	9000 J	3400 U	3300 UJ	26000
GASOLINE RANGE ORGANICS	54 U	53 U	59 U	56 U	55 U	53 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.71 J	0.31 U	0.51 J	0.33 U	0.32 U	1.1
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.52 U	0.55 U	0.5 U	0.52 U	0.61 U
1,1,1-TRICHLOROETHANE	0.52 U	0.47 U	0.49 U	0.45 U	0.47 U	0.55 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.3 U
1,1-DICHLOROETHANE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
1,1-DICHLOROETHENE	0.48 U	0.44 U	0.46 U	0.42 U	0.43 U	0.51 U
1,1-DICHLOROPROPENE	0.28 U	0.25 U	0.26 U	0.24 U	0.25 U	0.3 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.32 U	0.33 U	0.31 U	0.32 U	0.37 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.76 U	0.79 U	0.72 U	0.75 U	0.89 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U	0.17 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.23 U	0.24 U	0.22 U	0.22 U	0.27 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.55 U	0.57 U	0.52 U	0.54 U	0.64 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.3 U
1,2-DIBROMOETHANE	0.46 U	0.42 U	0.44 U	0.4 U	0.42 U	0.49 U
1,2-DICHLOROBENZENE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
1,2-DICHLOROETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,2-DICHLOROPROPANE	0.64 U	0.58 U	0.61 U	0.56 U	0.57 U	0.68 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.29 U	0.31 U	0.28 U	0.29 U	0.34 U
1,3-DICHLOROPROPANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.55 U	0.58 U	0.53 U	0.55 U	0.65 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.79 U	0.83 U	0.76 U	0.78 U	0.93 U
2-BUTANONE	4.6 J	1.2 U	6 J	6.6 J	12	4.7 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.2 U	1.1 U	1.2 U	1.4 U
2-CHLOROTOLUENE	0.37 U	0.34 U	0.35 U	0.32 U	0.33 U	0.39 U
2-HEXANONE	0.58 U	0.53 U	0.55 U	0.51 U	0.52 U	0.62 U
4-CHLOROTOLUENE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.18 U	0.17 U	0.17 U	0.21 U
4-METHYL-2-PENTANONE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
ACETONE	120 B	23 B	130 B	78 B	100	170
BENZENE	0.21 U	0.19 U	0.2 U	0.19 U	0.19 U	0.23 U
BROMOBENZENE	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
BROMOCHLOROMETHANE	0.65 U	0.6 U	0.62 U	0.57 U	0.59 U	0.7 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.25 U	0.23 U	0.23 U	0.28 U
BROMOFORM	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
BROMOMETHANE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
CARBON DISULFIDE	0.97 B	0.81 B	1.5 B	0.53 J	0.45 J	0.43 U
CARBON TETRACHLORIDE	0.34 U	0.31 U	0.33 U	0.3 U	0.31 U	0.36 U
CHLOROBENZENE	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
CHLORODIBROMOMETHANE	0.51 U	0.46 U	0.48 U	0.44 U	0.46 U	0.54 U
CHLOROETHANE	0.79 U	0.72 U	0.76 U	0.69 U	0.72 U	0.85 U
CHLOROFORM	0.27 U	0.24 U	0.26 U	0.23 U	0.24 U	0.29 U
CHLOROMETHANE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
DIBROMOMETHANE	0.58 U	0.53 U	0.55 U	0.51 U	0.52 U	0.62 U
DICHLORODIFLUOROMETHANE	0.46 U	0.42 U	0.44 U	0.4 U	0.42 U	0.49 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U	1.5 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.18 U	0.19 U	0.18 U	0.18 U	0.22 U
ETHYLBENZENE	0.24 U	0.22 U	0.23 U	0.21 U	0.22 U	0.26 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.1 U	0.97 U	1 U	1.2 U
ISOPROPYLBENZENE	0.15 U	0.13 U	0.14 U	0.13 U	0.13 U	0.16 U
M+P-XYLENES	1.1 U	1 U	1.1 U	0.97 U	1 U	1.2 U
METHYL TERT-BUTYL ETHER	0.4 UJ	0.36 UJ	0.38 UJ	0.35 U	0.36 U	0.42 U
METHYLENE CHLORIDE	0.62 U	0.56 U	0.6 B	0.54 U	0.56 U	0.66 U
NAPHTHALENE	0.85 B	0.75 B	0.8 B	2.2 B	0.16 U	0.19 U
N-BUTYLBENZENE	0.21 U	0.19 U	0.2 U	0.19 U	0.19 U	0.23 U
N-PROPYLBENZENE	0.37 U	0.34 U	0.35 U	0.32 U	2.6 J	0.39 U
O-XYLENE	0.32 U	0.29 U	0.31 U	0.28 U	0.29 U	0.34 U
SEC-BUTYLBENZENE	0.17 U	0.15 U	0.16 U	0.14 U	0.15 U	0.18 U
STYRENE	0.14 U	0.13 U	0.13 U	0.12 U	0.12 U	0.15 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.31 UJ	0.33 UJ	0.3 U	0.31 U	0.36 U
TERT-BUTYLBENZENE	0.27 U	0.24 U	0.26 U	0.23 U	0.24 U	0.29 U
TERTIARY-BUTYL ALCOHOL	49 B	44 B	6.7 UR	6.1 UR	6.3 UR	7.5 UR
TETRACHLOROETHENE	0.48 U	0.44 U	0.46 U	0.42 U	0.43 U	0.51 U
TOLUENE	0.25 U	0.23 U	0.24 U	0.22 U	0.32 J	0.27 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.56 U	0.59 U	0.54 U	0.56 U	0.66 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
TRICHLOROETHENE	0.39 U	0.35 U	0.37 U	0.34 U	0.35 U	0.41 U
TRICHLOROFLUOROMETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
VINYL ACETATE	0.23 U	0.21 U	0.22 U	0.2 U	0.21 U	0.25 U
VINYL CHLORIDE	0.36 U	0.33 U	0.34 U	0.31 U	0.32 U	0.38 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	33 U	30 U	33 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	27 U	24 U	27 U	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	12 U	10 U	11 U	12 U
2,4,5-TRICHLOROPHENOL	31 U	31 U	31 U	28 U	30 U	31 U
2,4,6-TRICHLOROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2,4-DICHLOROPHENOL	25 U	25 U	24 U	22 U	24 U	25 U
2,4-DIMETHYLPHENOL	25 U	25 U	24 U	22 U	24 U	25 U
2,4-DINITROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2,4-DINITROTOLUENE	33 U	33 U	33 U	30 U	33 U	34 U
2,6-DINITROTOLUENE	26 U	26 U	26 U	23 U	25 U	26 U
2-CHLORONAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
2-CHLOROPHENOL	33 U	33 U	33 U	30 U	33 U	34 U
2-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2-NITROANILINE	11 U	11 U	11 U	10 U	11 U	11 U
2-NITROPHENOL	33 U	33 U	33 U	30 U	33 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	20 U	22 U	22 U
3-NITROANILINE	20 U	20 U	20 U	18 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	14 U	16 U	16 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	26 U	23 U	25 U	26 U
4-CHLOROANILINE	21 U	21 U	21 U	19 U	21 U	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	14 U	16 U	16 U
4-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
4-NITROANILINE	32 U	32 U	32 U	29 U	31 U	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
ACETOPHENONE	11 U	11 U	11 U	10 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	10 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	15 U	13 U	14 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	27 U	24 U	27 U	27 U
BIS(2-CHLOROETHYL)ETHER	2.5 U	2.5 U	2.4 U	2.2 U	2.4 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	23 U	23 U	21 U	23 U	24 J
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	11 U	12 U	12 U
CAPROLACTAM	45 U	46 U	45 U	41 U	45 U	46 U
CARBAZOLE	33 U	33 U	33 U	30 U	33 U	34 U
DIBENZOFURAN	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
DIETHYL PHTHALATE	20 U	20 U	20 U	18 U	19 U	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	19 U	21 U	21 U
DI-N-BUTYL PHTHALATE	18 U	19 U	18 U	17 U	18 U	19 U
DI-N-OCTYL PHTHALATE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.6 U	2.3 U	2.5 U	2.6 U
HEXACHLOROBUTADIENE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROETHANE	11 U	11 U	11 U	9.9 U	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	14 U	16 U	16 U
NITROBENZENE	2.7 U	2.7 U	2.7 U	2.4 U	2.7 U	2.7 U
N-NITROSODIMETHYLAMINE	20 U	20 U	20 U	18 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	33 U	30 U	33 U	34 U
N-NITROSODIPHENYLAMINE	26 U	26 U	26 U	23 U	25 U	26 U
PENTACHLOROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
PHENOL	33 U	33 U	33 U	30 U	33 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ACENAPHTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ACENAPHTHYLENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	4 U	17.3	4 U	4.1 U
BAP EQUIVALENT-POS	4.1 U	4.1 U	4 U	15.1	4 U	4.1 U
BENZO(A)ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BENZO(A)PYRENE	4.1 U	4.1 U	4 U	14	4 U	4.1 U
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	4 U	11	4 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.3 U	1.2 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
FLUORANTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
FLUORENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
NAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
PHENANTHRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
PYRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
TOTAL PAHS	0 U	0 U	0 U	25	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.76 UJ	0.77 UJ	0.76 UJ	0.68 UJ	0.75 UJ	0.77 UJ
4,4'-DDE	0.48 U	0.48 U	0.48 U	0.43 U	0.47 U	0.49 U
4,4'-DDT	0.77 UJ	0.78 UJ	0.77 UJ	0.69 U	0.76 U	0.79 U
ALDRIN	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.5 U
ALPHA-BHC	0.9 U	0.9 U	0.89 U	0.8 U	0.88 U	0.91 U
ALPHA-CHLORDANE	1.2 U	1.2 U	1.1 U	1 U	1.1 U	1.2 U
AROCLOR-1016	26 U	26 U	26 U	23 U	25 U	26 U
AROCLOR-1221	20 U	20 U	20 U	18 U	19 U	20 U
AROCLOR-1232	17 U	17 U	17 U	15 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	14 U	16 U	16 U
AROCLOR-1248	21 U	21 U	21 U	19 U	21 U	21 U
AROCLOR-1254	21 U	21 U	21 U	19 U	21 U	21 U
AROCLOR-1260	21 U	21 U	21 U	19 U	21 U	21 U
BETA-BHC	1.4 U	1.4 U	1.3 U	1.2 U	1.3 U	1.4 U
DELTA-BHC	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.5 U
DIELDRIN	0.58 U	0.58 U	0.57 U	0.52 U	0.57 U	0.59 U
ENDOSULFAN I	0.64 U	0.64 U	0.64 U	0.57 U	0.63 U	0.65 U
ENDOSULFAN II	1 U	1 U	1 U	0.9 U	0.99 U	1 U
ENDOSULFAN SULFATE	1.1 U	1.1 U	1.1 U	0.96 U	1.1 U	1.1 U
ENDRIN	0.61 UJ	0.62 UJ	0.61 UJ	0.55 UJ	0.6 UJ	0.62 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.78 U	0.77 U	0.69 U	0.76 U	0.79 U
GAMMA-BHC (LINDANE)	0.91 U	0.91 U	0.9 U	0.82 U	0.89 U	0.92 U
GAMMA-CHLORDANE	0.52 U	0.52 U	0.51 U	0.46 U	0.51 U	0.52 U
HEPTACHLOR	1.4 UJ	1.4 UJ	1.3 UJ	1.2 UJ	1.3 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.98 U	0.99 U	0.98 U	0.88 U	0.97 U	1 U
METHOXYCHLOR	1.8 UJ	1.9 UJ	1.8 UJ	1.7 UJ	1.8 UJ	1.9 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	23 U	23 U	21 U	23 U	24 U
METALS (MG/KG)						
ANTIMONY	0.16 J	0.11 J	0.15 J	0.069 J	0.18 J	0.24 J
ARSENIC	5	2.8	4.8	3.1	5.5	8.8
BARIUM	9.1	21.2	13.9	21.5	13.2	18.8

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.7	2.2	2.4	0.28	1.2	3.1
CADMIUM	0.016 B	0.018 B	0.052 J	0.026 B	0.024 B	0.023 B
CHROMIUM	24.4	13.8	19.8	11.3	22.1	32.6
COBALT	4	4.1	4.2	3.4	6.8	5.4
COPPER	19.1 L	19.4 L	20.2 L	7.9 L	22.3 L	55.6 L
IRON	28800	8690	20800	7830	28200	38300
LEAD	4.9	6.2	5.6	6.8	7.8	5.8
MANGANESE	22.5	10.2	17.8	21.1	33.5	29.9
MERCURY	0.018 U	0.019 U	0.018 U	0.028	0.018 U	0.019 U
MOLYBDENUM	0.5	0.53	0.56	0.37	0.57	0.73
NICKEL	12.2	7.6	9.2	5.7	17	14.3
SELENIUM	0.5 J	1.5 J	1.1 J	0.61 J	0.6 J	1.1 J
SILVER	0.02 U	0.02 U	0.02 U	0.027 B	0.025 B	0.026 B
THALLIUM	0.04 B	0.12 B	0.073 B	0.089 B	0.075 B	0.047 B
VANADIUM	49.8	37.9	41.1	20.3	44	69.5
ZINC	26.7 J	24.2 J	32 J	19 J	50.3 J	35.5 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	7500 J	5900 J	17000	17000	15000	10000 J
GASOLINE RANGE ORGANICS	57 U	57 U	56 U	51 U	56 U	57 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.51 J	0.58 J	0.63 J	0.3 U	0.33 U	0.87 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	0.57 U
1,1,1-TRICHLOROETHANE	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U
1,1-DICHLOROETHANE	0.33 U
1,1-DICHLOROETHENE	0.48 U
1,1-DICHLOROPROPENE	0.27 U
1,2,3-TRICHLOROBENZENE	0.35 U
1,2,3-TRICHLOROPROPANE	0.82 U
1,2,3-TRIMETHYLBENZENE	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U
1,2,4-TRIMETHYLBENZENE	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U
1,2-DIBROMOETHANE	0.46 U
1,2-DICHLOROBENZENE	0.33 U
1,2-DICHLOROETHANE	0.31 U
1,2-DICHLOROPROPANE	0.63 U
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	0.32 U
1,3-DICHLOROPROPANE	0.31 U
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	0.6 U
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	0.86 U
2-BUTANONE	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 U
2-CHLOROTOLUENE	0.37 U
2-HEXANONE	0.58 U
4-CHLOROTOLUENE	0.37 U
4-ISOPROPYLTOLUENE	0.19 U
4-METHYL-2-PENTANONE	0.49 U
ACETONE	250
BENZENE	0.21 U
BROMOBENZENE	0.3 U
BROMOCHLOROMETHANE	0.65 U
BROMODICHLOROMETHANE	0.26 U
BROMOFORM	0.3 U
BROMOMETHANE	0.49 U
CARBON DISULFIDE	0.4 U
CARBON TETRACHLORIDE	0.34 U
CHLOROBENZENE	0.3 U
CHLORODIBROMOMETHANE	0.5 U
CHLOROETHANE	0.79 U
CHLOROFORM	0.27 U
CHLOROMETHANE	0.37 U
CIS-1,2-DICHLOROETHENE	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U
DIBROMOMETHANE	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U
DIISOPROPYL ETHER	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U
ETHYLBENZENE	0.24 U
FLUORODICHLOROMETHANE	NA

LOCATION	SB-789
SAMPLE ID	D-SB-789-09
SAMPLE DATE	20100908
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	9
BOTTOM DEPTH	9
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	1.1 U
ISOPROPYLBENZENE	0.15 U
M+P-XYLENES	1.1 U
METHYL TERT-BUTYL ETHER	0.39 U
METHYLENE CHLORIDE	0.61 U
NAPHTHALENE	0.17 U
N-BUTYLBENZENE	0.21 U
N-PROPYLBENZENE	0.37 U
O-XYLENE	0.32 U
SEC-BUTYLBENZENE	0.16 U
STYRENE	0.14 U
TERT-AMYL METHYL ETHER	0.34 U
TERT-BUTYLBENZENE	0.27 U
TERTIARY-BUTYL ALCOHOL	6.9 UR
TETRACHLOROETHENE	0.48 U
TOLUENE	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	0.61 U
TRANS-1,2-DICHLOROETHENE	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.49 U
TRICHLOROETHENE	0.38 U
TRICHLOROFLUOROMETHANE	0.31 U
VINYL ACETATE	0.23 U
VINYL CHLORIDE	0.36 U
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	32 U
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U
2,4,5-TRICHLOROPHENOL	30 U
2,4,6-TRICHLOROPHENOL	95 U
2,4-DICHLOROPHENOL	24 U
2,4-DIMETHYLPHENOL	24 U
2,4-DINITROPHENOL	95 U
2,4-DINITROTOLUENE	32 U
2,6-DINITROTOLUENE	25 U
2-CHLORONAPHTHALENE	3.9 U
2-CHLOROPHENOL	32 U
2-METHYLPHENOL	95 U
2-NITROANILINE	11 U
2-NITROPHENOL	32 U
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	21 U
3-NITROANILINE	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U
4-BROMOPHENYL PHENYL ETHER	15 U
4-CHLORO-3-METHYLPHENOL	25 U
4-CHLOROANILINE	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U
4-METHYLPHENOL	95 U
4-NITROANILINE	31 U

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	95 U
ACETOPHENONE	11 U
ANILINE	NA
ATRAZINE	11 U
AZOBENZENE	NA
BENZALDEHYDE	14 U
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U
BUTYL BENZYL PHTHALATE	12 U
CAPROLACTAM	44 U
CARBAZOLE	32 U
DIBENZOFURAN	3.9 U
DIETHYL PHTHALATE	19 U
DIMETHYL PHTHALATE	20 U
DI-N-BUTYL PHTHALATE	18 U
DI-N-OCTYL PHTHALATE	32 U
HEXACHLOROBENZENE	2.5 U
HEXACHLOROBUTADIENE	32 U
HEXACHLOROCYCLOPENTADIENE	32 U
HEXACHLOROETHANE	11 U
ISOPHORONE	15 U
NITROBENZENE	2.6 U
N-NITROSODIMETHYLAMINE	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U
N-NITROSODIPHENYLAMINE	25 U
PENTACHLOROPHENOL	95 U
PHENOL	32 U
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	3.9 U
ACENAPHTHENE	3.9 U
ACENAPHTHYLENE	3.9 U
ANTHRACENE	3.9 U
BAP EQUIVALENT-HALFND	3.9 U
BAP EQUIVALENT-POS	3.9 U
BENZO(A)ANTHRACENE	3.9 U
BENZO(A)PYRENE	3.9 U
BENZO(B)FLUORANTHENE	3.9 U
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	3.9 U
BENZO(K)FLUORANTHENE	3.9 U
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U
FLUORANTHENE	3.9 U
FLUORENE	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U
NAPHTHALENE	3.9 U
PHENANTHRENE	3.9 U
PYRENE	3.9 U
TOTAL PAHS	0 U
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	0.74 UJ
4,4'-DDE	0.46 U
4,4'-DDT	0.75 U
ALDRIN	1.4 U
ALPHA-BHC	0.87 U
ALPHA-CHLORDANE	1.1 U
AROCLOR-1016	25 U
AROCLOR-1221	19 U
AROCLOR-1232	17 U
AROCLOR-1242	15 U
AROCLOR-1248	20 U
AROCLOR-1254	20 U
AROCLOR-1260	20 U
BETA-BHC	1.3 U
DELTA-BHC	1.4 U
DIELDRIN	0.56 U
ENDOSULFAN I	0.62 U
ENDOSULFAN II	0.97 U
ENDOSULFAN SULFATE	1 U
ENDRIN	0.59 UJ
ENDRIN ALDEHYDE	1.2 U
ENDRIN KETONE	0.75 U
GAMMA-BHC (LINDANE)	0.88 U
GAMMA-CHLORDANE	0.5 U
HEPTACHLOR	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 U
METHOXYCHLOR	1.8 UJ
TOTAL AROCLOR	0 U
TOXAPHENE	23 U
METALS (MG/KG)	
ANTIMONY	0.21 J
ARSENIC	4
BARIUM	11.2

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	1.9
CADMIUM	0.013 B
CHROMIUM	18.5
COBALT	6.2
COPPER	18.8 L
IRON	23200
LEAD	5.3
MANGANESE	58.6
MERCURY	0.018 U
MOLYBDENUM	0.33
NICKEL	17.7
SELENIUM	1.6 J
SILVER	0.019 U
THALLIUM	0.064 B
VANADIUM	42.6
ZINC	26.8 J
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	4700 J
GASOLINE RANGE ORGANICS	55 U
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	NA
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	3.9 U	280	3.9 U	3.7 U	4 U
2-METHYLNAPHTHALENE	3.8 U	3.9 U	420	8	3.7 U	4 U
ACENAPHTHENE	3.8 U	3.9 U	69	3.9 U	3.7 U	4 U
ACENAPHTHYLENE	3.8 U	3.9 U	50	9.1	3.7 U	95
ANTHRACENE	3.8 U	3.9 U	52	11	3.7 U	38
BAP EQUIVALENT-HALFND	3.8 U	3.9 U	66.834	71.551	3.7 U	177.529
BAP EQUIVALENT-POS	3.8 U	3.9 U	64.834	69.601	3.7 U	177.329
BENZO(A)ANTHRACENE	3.8 U	3.9 U	29	40	3.7 U	4 U
BENZO(A)PYRENE	3.8 U	3.9 U	54 J	54 J	3.7 U	120 J
BENZO(B)FLUORANTHENE	3.8 U	3.9 U	39	70	3.7 U	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	13	41	29	3.7 U	110
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	19	35	3.7 U	35
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C1-FLUORANTHENES/PYRENES	77 U	NA	NA	NA	75 U	NA
C1-FLUORENES	77 U	NA	NA	NA	75 U	NA
C1-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C2-FLUORENES	77 U	NA	NA	NA	75 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C2-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C3-FLUORENES	77 U	NA	NA	NA	75 U	NA
C3-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C3-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C4-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C4-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
CHRYSENE	1.3 U	1.3 U	44	51	1.2 U	79
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	4 U	3.9 U	3.7 U	38 J
FLUORANTHENE	3.8 U	3.9 U	60	110	3.7 U	82
FLUORENE	3.8 U	3.9 U	100	3.9 U	3.7 U	4 U
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	38 J	42 J	3.7 U	79 J
NAPHTHALENE	3.8 U	3.9 U	320	9.5	3.7 U	8.9
PHENANTHRENE	3.8 U	3.9 U	200	62	3.7 U	16
PYRENE	3.8 U	13	95	86	3.7 U	140
TOTAL PAHS	0 U	26	1630	616.6	0 U	950.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	300	NA	610	3.8 U	4.1 U	NA
2-METHYLNAPHTHALENE	320	NA	600	3.8 U	4.1 U	NA
ACENAPHTHENE	88	NA	170	3.8 U	4.1 U	NA
ACENAPHTHYLENE	340	NA	420	3.8 U	4.1 U	NA
ANTHRACENE	370	NA	490	3.8 U	4.1 U	NA
BAP EQUIVALENT-HALFND	506.88	NA	683.76	3.8 U	4.1 U	NA
BAP EQUIVALENT-POS	502.78	NA	679.76	3.8 U	4.1 U	NA
BENZO(A)ANTHRACENE	440	NA	650	3.8 U	4.1 U	NA
BENZO(A)PYRENE	400 J	NA	540 J	3.8 U	4.1 U	NA
BENZO(B)FLUORANTHENE	380	NA	480	3.8 U	4.1 U	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230	NA	300	3.8 U	4.1 U	NA
BENZO(K)FLUORANTHENE	130	NA	210	3.8 U	4.1 U	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	3300 J	NA	NA	NA	84 U
C1-FLUORANTHENES/PYRENES	NA	5900 J	NA	NA	NA	84 U
C1-FLUORENES	NA	1100 J	NA	NA	NA	84 U
C1-PHENANTHRENES/ANTHRACENES	NA	6900 J	NA	NA	NA	84 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	1500 J	NA	NA	NA	84 U
C2-FLUORENES	NA	870 J	NA	NA	NA	84 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	4100 J	NA	NA	NA	84 U
C2-PHENANTHRENES/ANTHRACENES	NA	3900 J	NA	NA	NA	84 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	520 J	NA	NA	NA	84 U
C3-FLUORENES	NA	600 J	NA	NA	NA	84 U
C3-NAPHTHALENES	NA	2800 J	NA	NA	NA	84 U
C3-PHENANTHRENES/ANTHRACENES	NA	1700 J	NA	NA	NA	84 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	NA	NA	84 U
C4-NAPHTHALENES	NA	1300 J	NA	NA	NA	84 U
C4-PHENANTHRENES/ANTHRACENES	NA	520 J	NA	NA	NA	84 U
CHRYSENE	480	NA	660	1.3 U	1.4 U	NA
DIBENZO(A,H)ANTHRACENE	8.2 U	NA	8 U	3.8 U	4.1 U	NA
FLUORANTHENE	990	NA	1500	3.8 U	4.1 U	NA
FLUORENE	380	NA	590	3.8 U	4.1 U	NA
INDENO(1,2,3-CD)PYRENE	190 J	NA	240 J	3.8 U	4.1 U	NA
NAPHTHALENE	280	NA	570	3.8 U	4.1 U	NA
PHENANTHRENE	1700	NA	2700	3.8 U	4.1 U	NA
PYRENE	1300	NA	2100	3.8 U	4.1 U	NA
TOTAL PAHS	8018	NA	12220	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.53 U	0.5 U	0.52 U	0.55 U	0.56 U	0.67 U
1,1,1-TRICHLOROETHANE	0.47 U	0.45 U	0.47 U	0.5 U	0.5 U	0.61 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.4 U
1,1-DICHLOROETHANE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
1,1-DICHLOROETHENE	0.44 U	0.42 U	0.44 U	0.46 U	0.47 U	0.56 U
1,1-DICHLOROPROPENE	0.25 U	0.24 U	0.25 U	0.27 U	0.27 U	0.32 U
1,2,3-TRICHLOROBENZENE	0.32 U	0.31 U	0.32 U	0.34 U	0.34 U	0.41 U
1,2,3-TRICHLOROPROPANE	0.76 U	0.73 U	0.76 U	0.8 U	0.81 U	0.97 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	0.19 J	0.15 U	0.15 U	0.18 U
1,2,4-TRICHLOROBENZENE	0.23 U	0.22 U	0.23 U	0.24 U	0.24 U	0.29 U
1,2,4-TRIMETHYLBENZENE	0.55 U	0.52 U	0.55 U	0.58 U	0.58 U	0.7 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.4 U
1,2-DIBROMOETHANE	0.42 U	0.4 U	0.42 U	0.45 U	0.45 U	0.54 U
1,2-DICHLOROBENZENE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
1,2-DICHLOROETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,2-DICHLOROPROPANE	0.59 U	0.56 U	0.58 U	0.62 U	0.62 U	0.75 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.28 U	0.29 U	0.31 U	0.31 U	0.38 U
1,3-DICHLOROPROPANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.56 U	0.53 U	0.55 U	0.59 U	0.59 U	0.71 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.8 U	0.76 U	0.79 U	0.84 U	0.84 U	1 U
2-BUTANONE	2 J	1.9 J	3.6 J	1.3 U	4.9 J	14
2-CHLOROETHYL VINYL ETHER	1.2 U	1.1 U	1.2 U	1.3 U	1.3 U	1.5 U
2-CHLOROTOLUENE	0.34 U	0.32 U	0.34 U	0.36 U	0.36 U	0.43 U
2-HEXANONE	0.53 U	0.51 U	0.53 U	0.56 U	0.56 U	0.68 U
4-CHLOROTOLUENE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
4-ISOPROPYLTOLUENE	0.18 U	0.17 U	0.18 U	0.19 U	0.19 U	0.23 U
4-METHYL-2-PENTANONE	0.46 U	0.44 U	0.45 U	0.48 U	0.59 B	0.58 U
ACETONE	29 B	44 B	28 B	11 B	49 B	400 J
BENZENE	0.2 U	0.19 U	0.19 U	0.21 U	0.21 U	0.25 U
BROMOBENZENE	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
BROMOCHLOROMETHANE	0.6 U	0.57 U	0.6 U	0.63 U	0.64 U	0.77 U
BROMODICHLOROMETHANE	0.24 U	0.23 U	0.24 U	0.25 U	0.25 U	0.3 U
BROMOFORM	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
BROMOMETHANE	0.46 U	0.44 U	0.45 U	0.48 U	0.48 U	0.58 U
CARBON DISULFIDE	0.37 U	0.35 U	0.67 J	0.39 U	0.99 B	1.6 B
CARBON TETRACHLORIDE	0.31 U	0.3 U	0.31 U	0.33 U	0.33 U	0.4 U
CHLOROBENZENE	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
CHLORODIBROMOMETHANE	0.47 U	0.44 U	0.46 U	0.49 U	0.49 U	0.59 U
CHLOROETHANE	0.73 U	0.69 U	0.72 U	0.77 U	0.77 U	0.93 U
CHLOROFORM	0.25 U	0.23 U	0.24 U	0.26 U	0.26 U	0.31 U
CHLOROMETHANE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
DIBROMOMETHANE	0.53 U	0.51 U	0.53 U	0.56 U	0.56 U	0.68 U
DICHLORODIFLUOROMETHANE	0.42 U	0.4 U	0.42 U	0.45 U	0.45 U	0.54 U
DIISOPROPYL ETHER	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.6 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U	0.24 U
ETHYLBENZENE	0.22 U	0.21 U	0.22 U	0.23 U	0.23 U	0.28 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	0.97 U	1 U	1.1 U	1.1 U	1.3 U
ISOPROPYLBENZENE	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.17 U
M+P-XYLENES	1 U	0.97 U	1 U	1.1 U	1.1 U	1.3 U
METHYL TERT-BUTYL ETHER	0.36 U	0.35 U	0.36 U	0.38 U	0.39 UJ	0.46 UJ
METHYLENE CHLORIDE	0.57 U	0.54 U	0.56 U	0.6 U	0.84 B	1.1 B
NAPHTHALENE	2.1 B	2.2 B	2.9 B	0.17 U	1.6 B	1.1 B
N-BUTYLBENZENE	0.2 U	0.19 U	0.19 U	0.21 U	0.21 U	0.25 U
N-PROPYLBENZENE	0.34 U	0.32 U	0.34 U	0.36 U	0.36 U	0.43 U
O-XYLENE	0.3 U	0.28 U	0.29 U	0.31 U	0.31 U	0.38 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U	0.19 U
STYRENE	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U	0.16 U
TERT-AMYL METHYL ETHER	0.31 U	0.3 U	0.31 U	0.33 U	0.33 U	0.4 U
TERT-BUTYLBENZENE	0.25 U	0.23 U	0.24 U	0.26 U	0.26 U	0.31 U
TERTIARY-BUTYL ALCOHOL	6.4 UR	6.1 UR	6.4 UR	6.8 UR	48 B	8.2 UR
TETRACHLOROETHENE	0.44 U	0.42 U	0.44 U	0.46 U	0.47 U	0.56 U
TOLUENE	0.23 U	0.22 U	0.23 U	0.24 U	0.24 U	0.29 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.57 U	0.54 U	0.56 U	0.6 U	0.6 U	0.72 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
TRANS-1,3-DICHLOROPROPENE	0.46 U	0.44 U	0.45 U	0.48 U	0.48 U	0.58 U
TRICHLOROETHENE	0.36 U	0.34 U	0.35 U	0.38 U	0.38 U	0.45 U
TRICHLOROFLUOROMETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
VINYL ACETATE	0.21 U	0.2 U	0.21 U	0.22 U	0.22 U	0.27 U
VINYL CHLORIDE	0.33 U	0.31 U	0.33 U	0.35 U	0.35 U	0.42 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	31 U	130 U	33 U	34 U	33 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	100 U	27 U	28 U	27 U	28 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	45 U	12 U	12 U	12 U	12 U
2,4,5-TRICHLOROPHENOL	29 U	120 U	30 U	32 U	30 U	32 U
2,4,6-TRICHLOROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2,4-DICHLOROPHENOL	23 U	95 U	24 U	26 U	24 U	25 U
2,4-DIMETHYLPHENOL	23 U	95 U	24 U	26 U	24 U	25 U
2,4-DINITROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2,4-DINITROTOLUENE	31 U	130 U	33 U	34 U	33 U	34 U
2,6-DINITROTOLUENE	24 U	100 U	26 U	27 U	25 U	27 U
2-CHLORONAPHTHALENE	3.8 U	16 U	4 U	4.2 U	4 U	4.2 U
2-CHLOROPHENOL	31 U	130 U	33 U	34 U	33 U	34 U
2-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2-NITROANILINE	11 U	43 U	11 U	12 U	11 U	12 U
2-NITROPHENOL	31 U	130 U	33 U	34 U	33 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	85 U	22 U	23 U	22 U	23 U
3-NITROANILINE	19 U	76 U	19 U	20 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
4-BROMOPHENYL PHENYL ETHER	15 U	62 U	16 U	17 U	16 U	17 U
4-CHLORO-3-METHYLPHENOL	24 U	100 U	26 U	27 U	25 U	27 U
4-CHLOROANILINE	20 U	81 U	21 U	22 U	21 U	22 U
4-CHLOROPHENYL PHENYL ETHER	15 U	62 U	16 U	17 U	16 U	17 U
4-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
4-NITROANILINE	30 U	120 U	32 U	33 U	31 U	33 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
ACETOPHENONE	11 U	44 U	11 U	12 U	11 U	12 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	43 U	11 U	12 U	11 U	12 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	57 U	15 U	15 U	15 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	100 U	27 U	28 U	27 U	28 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	9.5 U	2.4 U	2.6 U	2.4 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	90 U	23 U	24 U	23 U	52 J
BUTYL BENZYL PHTHALATE	12 U	47 U	12 U	13 U	12 U	13 U
CAPROLACTAM	43 U	180 U	45 U	47 U	45 U	47 U
CARBAZOLE	31 U	130 U	33 U	34 U	33 U	34 U
DIBENZOFURAN	14 J	58 J	29 J	4.2 U	4 U	4.2 U
DIETHYL PHTHALATE	19 U	76 U	19 U	20 U	19 U	20 U
DIMETHYL PHTHALATE	20 U	81 U	21 U	22 U	21 U	22 U
DI-N-BUTYL PHTHALATE	17 U	71 U	18 U	19 U	18 U	19 U
DI-N-OCTYL PHTHALATE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROBENZENE	2.4 U	10 U	2.6 U	2.7 U	2.5 U	2.7 U
HEXACHLOROBUTADIENE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROCYCLOPENTADIENE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROETHANE	10 U	43 U	11 U	11 U	11 U	11 U
ISOPHORONE	15 U	62 U	16 U	17 U	16 U	17 U
NITROBENZENE	2.6 U	10 U	2.7 U	2.8 U	2.7 U	2.8 U
N-NITROSODIMETHYLAMINE	19 U	76 U	19 U	20 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	130 U	33 U	34 U	33 U	34 U
N-NITROSODIPHENYLAMINE	24 U	100 U	26 U	27 U	25 U	27 U
PENTACHLOROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
PHENOL	31 U	130 U	33 U	34 U	33 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	8	16 U	64	4.2 U	8.6	4.2 U
ACENAPHTHENE	34	140	20	4.2 U	17	4.2 U
ACENAPHTHYLENE	3.8 U	16 U	4 U	4.2 U	4 U	4.2 U
ANTHRACENE	72	620	28	4.2 U	16	4.2 U
BAP EQUIVALENT-HALFND	224.06	1353.2	72.682	4.2 U	60.191	4.2 U
BAP EQUIVALENT-POS	224.06	1345.2	70.682	4.2 U	58.191	4.2 U
BENZO(A)ANTHRACENE	160	1500	48	4.2 U	46	4.2 U
BENZO(A)PYRENE	140	1000	53	4.2 U	44	4.2 U
BENZO(B)FLUORANTHENE	180	1400	82	4.2 U	65	4.2 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	77	490	34	4.2 U	33	4.2 U
BENZO(K)FLUORANTHENE	72	570	40	4.2 U	24	4.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	140	1500	82	1.4 U	51	1.4 U
DIBENZO(A,H)ANTHRACENE	41	16 U	4 U	4.2 U	4 U	4.2 U
FLUORANTHENE	320	3700	110	4.2 U	95	4.2 U
FLUORENE	30	180	29	4.2 U	15	4.2 U
INDENO(1,2,3-CD)PYRENE	82	480	42	4.2 U	28	4.2 U
NAPHTHALENE	13	34	45	4.2 U	13	4.2 U
PHENANTHRENE	250	2100	120	4.2 U	76	4.2 U
PYRENE	240	2900	87	4.2 U	75	4.2 U
TOTAL PAHS	1859	16614	884	0 U	606.6	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.72 U	15 U	0.75 U	0.79 U	1.5 U	0.79 U
4,4'-DDE	0.45 U	34 J	0.47 U	0.5 U	0.94 U	0.5 U
4,4'-DDT	0.73 U	15 U	0.77 U	0.8 U	1.5 U	0.8 U
ALDRIN	1.4 U	28 U	1.5 U	1.5 U	2.9 U	1.5 U
ALPHA-BHC	0.85 U	17 U	0.89 U	0.93 U	1.8 U	0.93 U
ALPHA-CHLORDANE	1.1 U	22 U	1.1 U	1.2 U	2.3 U	1.2 U
AROCLOR-1016	24 U	50 U	26 U	27 U	25 U	27 U
AROCLOR-1221	19 U	38 U	19 U	20 U	19 U	20 U
AROCLOR-1232	16 U	33 U	17 U	18 U	17 U	18 U
AROCLOR-1242	15 U	31 U	16 U	17 U	16 U	17 U
AROCLOR-1248	20 U	40 U	21 U	22 U	21 U	22 U
AROCLOR-1254	20 U	40 U	21 U	22 U	21 U	22 U
AROCLOR-1260	20 U	240	21 U	22 U	21 U	22 U
BETA-BHC	1.3 U	26 U	1.3 U	1.4 U	2.7 U	1.4 U
DELTA-BHC	1.4 U	28 U	1.5 U	1.5 U	2.9 U	1.5 U
DIELDRIN	0.55 U	11 U	0.57 U	0.6 U	1.1 U	0.6 U
ENDOSULFAN I	0.6 U	12 U	0.63 U	0.66 U	1.3 U	0.66 U
ENDOSULFAN II	0.95 U	19 U	1 U	1 U	2 U	1 U
ENDOSULFAN SULFATE	1 U	21 U	1.1 U	1.1 U	2.1 U	1.1 U
ENDRIN	0.58 U	12 U	0.61 U	0.64 U	1.2 U	0.64 U
ENDRIN ALDEHYDE	1.2 U	24 U	1.2 U	1.3 U	2.4 U	1.3 U
ENDRIN KETONE	0.73 U	15 U	0.77 U	0.8 U	1.5 U	0.8 U
GAMMA-BHC (LINDANE)	0.86 UJ	18 UJ	0.9 UJ	0.95 UJ	1.8 U	0.94 U
GAMMA-CHLORDANE	0.49 U	10 U	0.51 U	0.54 U	1 U	0.53 U
HEPTACHLOR	1.3 U	26 U	1.3 U	1.4 U	2.7 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.93 U	19 U	0.97 U	1 U	1.9 U	1 U
METHOXYCHLOR	1.7 U	36 U	1.8 U	1.9 U	3.6 UJ	1.9 UJ
TOTAL AROCLOR	0 U	240	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	450 U	23 U	24 U	46 U	24 U
METALS (MG/KG)						
ANTIMONY	0.2 B	0.2 B	0.22 J	0.23 J	0.26 B	0.14 B
ARSENIC	4.5	4.9	6.3	4.1	5.4 L	3.7 L
BARIUM	33.8	31	27.8	19.8	20.6	14.9

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.2	2	2.6	2.5	3.1 J	1.6 J
CADMIUM	0.12	0.4	0.12 L	0.044 J	0.027 B	0.022 B
CHROMIUM	19.5	18.3	18.9	23.7	23.8	16.9
COBALT	13.7	14.3	24.5	4.6	10.9	4.3
COPPER	23.2	22.3	23.4	30.1 L	15.1	22
IRON	21900	20200	22200	33200	37400	22100
LEAD	16.5	30.9	20.6	9.3	13.4	5.5
MANGANESE	84.9	112	78.4	62.4	90.1 J	28.4 J
MERCURY	0.36	0.21	0.63	0.019 U	0.018 U	0.019 U
MOLYBDENUM	0.39	0.49	0.35	0.46	0.52	0.63
NICKEL	28.4	31	41.4	15.3	40.7	10.7
SELENIUM	2.3	2.4	3.5	1 J	1.4 L	0.98 L
SILVER	0.24 K	0.25 K	0.32 K	0.024 B	0.019 U	0.024 B
THALLIUM	0.042 J	0.053 J	0.051 J	0.12 B	0.082 J	0.11 J
VANADIUM	29.6	27.5	28	42	37.5	30.9
ZINC	61.1	87.5	77.9	39.2 J	40.1	31.6
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000	63000	230000	9800 J	41000	22000
GASOLINE RANGE ORGANICS	53 U	55 U	56 U	59 U	56 U	59 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.31 U	0.57 J	0.33 U	0.55 J	0.33 U	0.9 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.53 U	0.62 U	0.52 U	0.55 U	0.52 U	0.52 U
1,1,1-TRICHLOROETHANE	0.48 U	0.56 U	0.47 U	0.5 U	0.47 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
1,1-DICHLOROETHENE	0.44 U	0.52 U	0.44 U	0.46 U	0.44 U	0.44 U
1,1-DICHLOROPROPENE	0.26 U	0.3 U	0.25 U	0.27 U	0.25 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.32 U	0.38 U	0.32 U	0.34 U	0.32 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.77 U	0.9 U	0.76 U	0.8 U	0.75 U	0.76 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.17 U	0.21 J	0.15 U	0.14 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.23 U	0.27 U	0.23 U	0.24 U	0.23 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.55 U	0.65 U	0.55 U	0.58 U	0.54 U	0.55 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.43 U	0.5 U	0.42 U	0.45 U	0.42 U	0.42 U
1,2-DICHLOROBENZENE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
1,2-DICHLOROETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,2-DICHLOROPROPANE	0.59 U	0.69 U	0.58 U	0.62 U	0.58 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.35 U	0.29 U	0.31 U	0.29 U	0.3 U
1,3-DICHLOROPROPANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.56 U	0.66 U	0.56 U	0.59 U	0.55 U	0.56 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.8 U	0.94 U	0.79 U	0.84 U	0.79 U	0.79 U
2-BUTANONE	3.1 J	1.4 U	52	3.7 J	1.6 J	1.2 U
2-CHLOROETHYL VINYL ETHER	1.2 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
2-CHLOROTOLUENE	0.34 U	0.4 U	0.34 U	0.36 U	0.34 U	0.34 U
2-HEXANONE	0.54 U	0.63 U	0.53 U	0.56 U	0.53 U	0.53 U
4-CHLOROTOLUENE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
4-ISOPROPYLTOLUENE	0.18 U	0.21 U	0.18 U	0.19 U	0.18 U	0.18 U
4-METHYL-2-PENTANONE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
ACETONE	220 B	68 B	240 J	160 B	18 B	310 J
BENZENE	0.2 U	0.23 U	0.19 U	0.21 U	0.19 U	0.19 U
BROMOBENZENE	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
BROMOCHLOROMETHANE	0.61 U	0.71 U	0.6 U	0.63 U	0.59 U	0.6 U
BROMODICHLOROMETHANE	0.24 U	0.28 U	0.24 U	0.25 U	0.23 U	0.24 U
BROMOFORM	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
BROMOMETHANE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
CARBON DISULFIDE	0.86 B	0.94 B	2 B	0.87 B	0.83 B	0.37 U
CARBON TETRACHLORIDE	0.32 U	0.37 U	0.31 U	0.33 U	0.31 U	0.31 U
CHLOROBENZENE	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
CHLORODIBROMOMETHANE	0.47 U	0.55 U	0.46 U	0.49 U	0.46 U	0.46 U
CHLOROETHANE	0.73 U	0.86 U	0.72 U	0.77 U	0.72 U	0.73 U
CHLOROFORM	0.25 U	0.29 U	0.24 U	0.26 U	0.24 U	0.24 U
CHLOROMETHANE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
DIBROMOMETHANE	0.54 U	0.63 U	0.53 U	0.56 U	0.53 U	0.53 U
DICHLORODIFLUOROMETHANE	0.43 U	0.5 U	0.42 U	0.45 U	0.42 U	0.42 U
DIISOPROPYL ETHER	1.3 U	1.5 U	1.3 U	1.3 U	1.3 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.22 U	0.19 U	0.2 U	0.18 U	0.19 U
ETHYLBENZENE	0.22 U	0.26 U	0.22 U	0.23 U	0.22 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	1.2 U	1 U	1.1 U	1 U	1 U
ISOPROPYLBENZENE	0.14 U	0.16 U	0.13 U	0.14 U	0.13 U	0.13 U
M+P-XYLENES	1 U	1.2 U	1 U	1.1 U	1 U	1 U
METHYL TERT-BUTYL ETHER	0.37 UJ	0.43 UJ	0.36 UJ	0.38 UJ	0.36 UJ	0.36 UJ
METHYLENE CHLORIDE	0.9 B	0.98 B	0.79 B	0.78 B	0.82 B	1 B
NAPHTHALENE	0.75 B	0.93 B	2.1 B	0.8 B	0.75 B	0.76 B
N-BUTYLBENZENE	0.2 U	0.23 U	0.19 U	0.21 U	0.19 U	0.19 U
N-PROPYLBENZENE	0.34 U	0.4 U	0.34 U	0.36 U	0.34 U	0.34 U
O-XYLENE	0.3 U	0.35 U	0.29 U	0.31 U	0.29 U	0.3 U
SEC-BUTYLBENZENE	0.15 U	0.18 U	0.15 U	0.16 U	0.15 U	0.15 U
STYRENE	0.13 U	0.15 U	0.13 U	0.13 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	0.32 UJ	0.37 U	0.31 U	0.33 U	0.31 U	0.31 UJ
TERT-BUTYLBENZENE	0.25 U	0.29 U	0.24 U	0.26 U	0.24 U	0.24 U
TERTIARY-BUTYL ALCOHOL	47 B	53 B	47 B	50 B	44 B	45 B
TETRACHLOROETHENE	0.44 U	0.52 U	0.44 U	0.46 U	0.44 U	0.44 U
TOLUENE	0.23 U	0.27 U	0.71 J	0.24 U	0.41 J	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.57 U	0.67 U	0.56 U	0.6 U	0.56 U	0.57 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
TRICHLOROETHENE	0.36 U	0.42 U	0.35 U	0.38 U	0.35 U	0.35 U
TRICHLOROFLUOROMETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
VINYL ACETATE	0.21 U	0.25 U	0.21 U	0.22 U	0.21 U	0.21 U
VINYL CHLORIDE	0.33 U	0.39 U	0.33 U	0.35 U	0.33 U	0.33 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	31 U	32 U	33 U	32 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	25 U	26 U	27 U	26 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	11 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	29 U	30 U	30 U	29 U
2,4,6-TRICHLOROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2,4-DICHLOROPHENOL	24 U	23 U	23 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U	23 U	24 U	24 U	23 U
2,4-DINITROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2,4-DINITROTOLUENE	32 U	31 U	32 U	33 U	32 U	32 U
2,6-DINITROTOLUENE	25 U	24 U	25 U	25 U	25 U	25 U
2-CHLORONAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
2-CHLOROPHENOL	32 U	31 U	32 U	33 U	32 U	32 U
2-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2-NITROANILINE	11 U	10 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	32 U	31 U	32 U	33 U	32 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	21 U	22 U	22 U	21 U
3-NITROANILINE	19 U	18 U	19 U	19 U	19 U	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	25 U	24 U	25 U	25 U	25 U	25 U
4-CHLOROANILINE	20 U	19 U	20 U	21 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	16 U	15 U
4-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
4-NITROANILINE	31 U	30 U	30 U	31 U	31 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	10 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	14 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	25 U	26 U	27 U	26 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.3 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U	22 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	11 U	12 U	12 U	12 U	12 U
CAPROLACTAM	44 U	42 U	43 U	45 U	44 U	43 U
CARBAZOLE	32 U	31 U	32 U	33 U	32 U	32 U
DIBENZOFURAN	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
DIETHYL PHTHALATE	19 U	18 U	19 U	19 U	19 U	19 U
DIMETHYL PHTHALATE	20 U	19 U	20 U	21 U	20 U	20 U
DI-N-BUTYL PHTHALATE	18 U	17 U	18 U	18 U	18 U	18 U
DI-N-OCTYL PHTHALATE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROBENZENE	2.5 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U
HEXACHLOROBUTADIENE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROCYCLOPENTADIENE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROETHANE	11 U	10 U	11 U	11 U	11 U	11 U
ISOPHORONE	15 U	15 U	15 U	16 U	16 U	15 U
NITROBENZENE	2.6 U	2.5 U	2.6 U	2.7 U	2.6 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	18 U	19 U	19 U	19 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	31 U	32 U	33 U	32 U	32 U
N-NITROSODIPHENYLAMINE	25 U	24 U	25 U	25 U	25 U	25 U
PENTACHLOROPHENOL	95 U	92 U	94 UR	97 U	96 U	94 U
PHENOL	32 U	31 U	32 U	33 U	32 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	8.2	4 U	3.9 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5.1073	4 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	0.7978	4 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)PYRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	7.9	4 U	3.9 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	7.8	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
FLUORANTHENE	3.9 U	3.8 U	11	4 U	3.9 U	3.9 U
FLUORENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
PYRENE	3.9 U	3.8 U	8.1	4 U	3.9 U	3.9 U
TOTAL PAHS	0 U	0 U	43	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 U	0.71 U	0.72 U	0.75 U	0.74 U	0.73 U
4,4'-DDE	0.46 U	0.45 U	0.46 U	0.47 U	0.47 U	0.46 U
4,4'-DDT	0.75 U	0.72 U	0.74 U	0.76 U	0.75 U	0.74 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ALPHA-BHC	0.87 U	0.84 U	0.85 U	0.88 U	0.87 U	0.86 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1016	25 U	24 U	25 U	25 U	25 U	25 U
AROCLOR-1221	19 U	18 U	19 U	19 U	19 U	19 U
AROCLOR-1232	17 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	16 U	16 U	15 U
AROCLOR-1248	20 U	19 U	20 U	21 U	20 U	20 U
AROCLOR-1254	20 U	19 U	20 U	21 U	20 U	20 U
AROCLOR-1260	20 U	19 U	20 U	21 U	20 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 J	1.3 U	1.3 U	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
DIELDRIN	0.56 U	0.54 U	0.55 U	0.57 U	0.56 U	0.55 U
ENDOSULFAN I	0.62 U	0.59 U	0.61 U	0.63 U	0.62 U	0.61 U
ENDOSULFAN II	0.97 U	0.94 U	0.96 U	0.99 U	0.98 U	0.96 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1 U
ENDRIN	0.59 U	0.57 U	0.58 U	0.6 U	0.6 U	0.59 U
ENDRIN ALDEHYDE	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.75 U	0.72 U	0.74 U	0.76 U	0.75 U	0.74 U
GAMMA-BHC (LINDANE)	0.88 U	0.85 U	0.87 U	0.89 U	0.89 U	0.87 U
GAMMA-CHLORDANE	0.5 U	0.48 U	0.49 U	0.51 U	0.5 U	0.49 U
HEPTACHLOR	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 U	0.92 U	0.94 U	0.97 U	0.96 U	0.94 U
METHOXYCHLOR	1.8 UJ	1.7 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	22 U	22 U	23 U	23 U	22 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.027 UL	0.28 UL	0.23 B	0.21 B	0.22 B
ARSENIC	7.9 L	5 L	5.4 L	4.4 L	2.9 L	3.8 L
BARIUM	12.6	7.4	40.6	16.7	12.2	10.3

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.4 J	0.82 J	1.5 J	1.9 J	1.7 J	2.7 J
CADMIUM	0.019 B	0.017 B	0.24 B	0.026 B	0.0093 UL	0.02 B
CHROMIUM	31	2.2	19.6	22.3	17.9	24.8
COBALT	10.3	3.4	33	7	7.1	12.1
COPPER	24.7	4.7	31.1	20.4	13	18.2
IRON	50200	1420	18800	35700	27100	42300
LEAD	6.7	5.6	54.1	5.2	3.3	2.9
MANGANESE	161 J	7.2 J	88.8 J	53.1 J	40.2 J	30 J
MERCURY	0.018 U	0.017 U	1.3	0.018 U	0.018 U	0.018 U
MOLYBDENUM	0.8	0.072 U	0.53	0.65	0.57	0.74
NICKEL	36.2	5.3	37	18.7	19	30.1
SELENIUM	2.4 L	7.2 L	2 L	0.84 L	0.99 L	1.1 L
SILVER	0.019 U	0.018 U	1.9	0.019 U	0.019 U	0.019 U
THALLIUM	0.079 J	0.064 J	0.15 U	0.099 J	0.064 J	0.06 J
VANADIUM	51.2	2.1	29	46	35.9	67.2
ZINC	41.3	8.7	111	33.6	19	31.2
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	5400 J	3200 U	83000	8000 J	7800 J	4100 J
GASOLINE RANGE ORGANICS	55 U	53 U	54 U	56 U	55 U	54 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.32 U	0.39 J	0.32 U	0.56 J	0.32 U	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.54 U	0.59 U	0.54 U	0.48 U	0.52 U
1,1,1-TRICHLOROETHANE	0.51 U	0.49 U	0.53 U	0.49 U	0.44 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.45 U	0.5 U	1.1 J	0.4 U	0.43 U
1,1-DICHLOROPROPENE	0.27 U	0.26 U	0.29 U	0.26 U	0.23 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.33 U	0.36 U	0.33 U	0.3 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.82 U	0.79 U	0.86 U	0.78 U	0.7 U	0.75 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.16 U	0.15 U	0.13 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.57 U	0.62 U	0.57 U	0.51 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.44 U	0.48 U	0.43 U	0.39 U	0.42 U
1,2-DICHLOROBENZENE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,2-DICHLOROPROPANE	0.63 U	0.6 U	0.66 U	0.6 U	0.54 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
1,3-DICHLOROPROPANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.6 U	0.58 U	0.63 U	0.57 U	0.51 U	0.55 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	0.82 U	0.9 U	0.82 U	0.73 U	0.78 U
2-BUTANONE	22	1.2 U	5.1 J	1.2 U	3 J	6.8 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
2-HEXANONE	0.58 U	0.55 U	0.6 U	0.55 U	0.49 U	0.52 U
4-CHLOROTOLUENE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.2 U	0.18 U	0.16 U	0.17 U
4-METHYL-2-PENTANONE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
ACETONE	100 B	29 B	190 B	5.5 U	31 B	62 B
BENZENE	0.21 U	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
BROMOBENZENE	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
BROMOCHLOROMETHANE	0.65 U	0.62 U	0.68 U	0.62 U	0.55 U	0.59 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.27 U	0.24 U	0.22 U	0.23 U
BROMOFORM	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
BROMOMETHANE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
CARBON DISULFIDE	1.8 B	0.81 B	1 B	0.38 U	0.99 B	1 B
CARBON TETRACHLORIDE	0.34 U	0.32 U	0.35 U	0.32 U	0.29 U	0.31 U
CHLOROBENZENE	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
CHLORODIBROMOMETHANE	0.5 U	0.48 U	0.52 U	0.48 U	0.43 U	0.46 U
CHLOROETHANE	0.79 U	0.75 U	0.82 U	0.75 U	0.67 U	0.72 U
CHLOROFORM	0.27 U	0.25 U	0.28 U	0.25 U	0.23 U	0.24 U
CHLOROMETHANE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
DIBROMOMETHANE	0.58 U	0.55 U	0.6 U	0.55 U	0.49 U	0.52 U
DICHLORODIFLUOROMETHANE	0.46 U	0.44 U	0.48 U	0.43 U	0.39 U	0.42 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.4 U	1.3 U	1.2 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.19 U	0.21 U	0.19 U	0.17 U	0.18 U
ETHYLBENZENE	0.24 U	0.23 U	0.25 U	0.23 U	0.2 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.1 U	1 U	0.93 U	1 U
ISOPROPYLBENZENE	0.15 U	0.14 U	0.15 U	0.14 U	0.12 U	0.13 U
M+P-XYLENES	1.1 U	1 U	1.1 U	1 U	0.93 U	1 U
METHYL TERT-BUTYL ETHER	0.39 UJ	0.38 UJ	0.41 UJ	0.37 UJ	0.33 UJ	0.36 UJ
METHYLENE CHLORIDE	0.93 B	0.83 B	1.2 B	0.76 B	0.52 U	0.56 U
NAPHTHALENE	1.1 B	0.75 B	0.84 B	0.76 B	0.15 U	0.16 U
N-BUTYLBENZENE	0.21 U	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
O-XYLENE	0.32 U	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
SEC-BUTYLBENZENE	0.16 U	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U
STYRENE	0.14 U	0.13 U	0.14 U	0.13 U	0.12 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 U	0.32 U	0.35 U	0.32 U	0.29 UJ	0.31 UJ
TERT-BUTYLBENZENE	0.27 U	0.25 U	0.28 U	0.25 U	0.23 U	0.24 U
TERTIARY-BUTYL ALCOHOL	50 B	47 B	51 B	46 B	5.9 UR	6.3 UR
TETRACHLOROETHENE	0.48 U	0.45 U	0.5 U	0.45 U	0.4 U	0.43 U
TOLUENE	0.25 U	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.59 U	0.64 U	0.58 U	0.52 U	0.56 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
TRICHLOROETHENE	0.38 U	0.37 U	0.4 U	0.37 U	0.33 U	0.35 U
TRICHLOROFLUOROMETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
VINYL ACETATE	0.23 U	0.22 U	0.24 U	0.22 U	0.19 U	0.21 U
VINYL CHLORIDE	0.36 U	0.34 U	0.37 U	0.34 U	0.3 U	0.32 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	33 U	32 U	32 UJ	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	27 U	26 U	26 UJ	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	12 U	11 U	11 UJ	12 U
2,4,5-TRICHLOROPHENOL	31 U	31 U	31 U	30 U	29 UJ	31 U
2,4,6-TRICHLOROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2,4-DICHLOROPHENOL	24 U	25 U	24 U	24 U	24 UJ	25 U
2,4-DIMETHYLPHENOL	24 U	25 U	24 U	24 U	24 UJ	25 U
2,4-DINITROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2,4-DINITROTOLUENE	33 U	33 U	33 U	32 U	32 UJ	34 U
2,6-DINITROTOLUENE	26 U	26 U	26 U	25 U	25 UJ	26 U
2-CHLORONAPHTHALENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
2-CHLOROPHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
2-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 UJ	11 U
2-NITROPHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	21 U	21 UJ	22 U
3-NITROANILINE	20 U	20 U	20 U	19 U	19 UJ	20 U
4,6-DINITRO-2-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	15 UJ	16 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	26 U	25 U	25 UJ	26 U
4-CHLOROANILINE	21 U	21 U	21 U	20 U	20 UJ	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	15 UJ	16 U
4-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
4-NITROANILINE	32 U	32 U	32 U	31 U	31 UJ	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 UJ	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 UJ	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	15 U	14 U	14 UJ	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	27 U	26 U	26 UJ	27 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.5 U	2.4 U	2.4 U	2.4 UJ	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	30 J	23 U	23 U	32 J	22 UJ	24 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	12 U	12 UJ	12 U
CAPROLACTAM	45 U	46 U	45 U	44 U	44 UJ	46 U
CARBAZOLE	33 U	33 U	33 U	32 U	32 UJ	34 U
DIBENZOFURAN	4 U	4.1 U	4 U	3.9 U	35 J	4.1 U
DIETHYL PHTHALATE	20 U	20 U	20 U	19 U	19 UJ	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	20 U	20 UJ	21 U
DI-N-BUTYL PHTHALATE	18 U	18 U	18 U	18 U	18 UJ	19 U
DI-N-OCTYL PHTHALATE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.6 U	2.5 U	2.5 UJ	2.6 U
HEXACHLOROBUTADIENE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	11 UJ	11 U
ISOPHORONE	16 U	16 U	16 U	15 U	15 UJ	16 U
NITROBENZENE	2.7 U	2.7 U	2.7 U	2.6 U	2.6 UJ	2.7 U
N-NITROSODIMETHYLAMINE	20 U	20 U	20 U	19 U	19 UJ	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	33 U	32 U	32 UJ	34 U
N-NITROSODIPHENYLAMINE	26 U	26 U	26 U	25 U	25 UJ	26 U
PENTACHLOROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
PHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4.1 U	4 U	3.9 U	59 J	4.1 U
ACENAPHTHENE	4 U	4.1 U	4 U	3.9 U	39 J	4.1 U
ACENAPHTHYLENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
ANTHRACENE	4 U	4.1 U	4 U	3.9 U	48 J	4.1 U
BAP EQUIVALENT-HALFND	22.569	4.1 U	4 U	3.9 U	137.41	4.1 U
BAP EQUIVALENT-POS	20.569	4.1 U	4 U	3.9 U	135.46	4.1 U
BENZO(A)ANTHRACENE	17	4.1 U	4 U	3.9 U	110 J	4.1 U
BENZO(A)PYRENE	16	4.1 U	4 U	3.9 U	100 J	4.1 U
BENZO(B)FLUORANTHENE	18	4.1 U	4 U	3.9 U	160 J	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	10	4.1 U	4 U	3.9 U	75 J	4.1 U
BENZO(K)FLUORANTHENE	13	4.1 U	4 U	3.9 U	63 J	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	19	1.4 U	1.3 U	1.3 U	130 J	1.4 U
DIBENZO(A,H)ANTHRACENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
FLUORANTHENE	36	4.1 U	4 U	3.9 U	210 J	4.1 U
FLUORENE	4 U	4.1 U	4 U	3.9 U	38 J	4.1 U
INDENO(1,2,3-CD)PYRENE	9.2	4.1 U	4 U	3.9 U	77 J	4.1 U
NAPHTHALENE	4 U	4.1 U	4 U	3.9 U	47 J	4.1 U
PHENANTHRENE	22	4.1 U	4 U	3.9 U	190 J	4.1 U
PYRENE	27	4.1 U	4 U	3.9 U	170 J	4.1 U
TOTAL PAHS	187.2	0 U	0 U	0 U	1516	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.76 U	7.6 U	0.76 U	0.74 U	3.7 U	0.77 U
4,4'-DDE	0.48 U	4.8 U	0.48 U	0.46 U	2.3 U	0.48 U
4,4'-DDT	0.77 U	7.8 U	0.77 U	0.75 U	3.7 U	0.78 U
ALDRIN	1.5 U	15 U	1.5 U	1.4 U	7.1 U	1.5 U
ALPHA-BHC	0.89 U	9 U	0.89 U	0.87 UJ	4.3 UJ	0.91 UJ
ALPHA-CHLORDANE	1.1 U	12 U	1.1 U	1.1 U	5.5 U	1.2 U
AROCLOR-1016	26 U	26 U	26 U	25 U	25 U	26 U
AROCLOR-1221	20 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1232	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	15 U	15 U	16 U
AROCLOR-1248	21 U	21 U	21 U	20 U	20 U	21 U
AROCLOR-1254	21 U	21 U	21 U	20 U	20 U	21 U
AROCLOR-1260	21 U	21 U	21 U	20 U	20 U	21 U
BETA-BHC	1.3 U	14 U	1.3 U	1.3 U	6.5 U	1.4 U
DELTA-BHC	1.5 U	15 U	1.5 U	1.4 U	7.1 U	1.5 U
DIELDRIN	0.57 U	5.8 U	0.57 U	0.56 U	2.8 U	0.58 U
ENDOSULFAN I	0.64 U	6.4 U	0.63 U	0.62 U	3.1 U	0.65 U
ENDOSULFAN II	1 U	10 U	1 U	0.98 U	4.8 U	1 U
ENDOSULFAN SULFATE	1.1 U	11 U	1.1 U	1 U	5.1 U	1.1 U
ENDRIN	0.61 U	6.2 U	0.61 U	0.6 U	2.9 U	0.62 U
ENDRIN ALDEHYDE	1.2 U	12 U	1.2 U	1.2 U	5.9 U	1.2 U
ENDRIN KETONE	0.77 U	7.8 U	0.77 U	0.75 U	3.7 U	0.78 U
GAMMA-BHC (LINDANE)	0.9 U	9.1 U	0.9 U	0.88 U	4.4 U	0.92 U
GAMMA-CHLORDANE	0.51 U	5.2 U	0.51 U	0.5 U	2.5 U	0.52 U
HEPTACHLOR	1.3 UJ	14 UJ	1.3 UJ	1.3 U	6.5 U	1.4 U
HEPTACHLOR EPOXIDE	0.98 U	9.8 U	0.98 U	0.95 U	4.7 U	0.99 U
METHOXYCHLOR	1.8 UJ	18 UJ	1.8 UJ	1.8 U	8.8 U	1.9 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	230 U	23 U	23 U	110 U	24 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.12 B	0.15 B	0.3 B	0.28 B	0.18 B
ARSENIC	5.6 L	3.6 L	4.1 L	3.6 J	5.5 J	7 J
BARIUM	26.5	15.6	10.7	15.7	40.2	11.3

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.2 J	0.92 J	1.4 J	2.6 J	2.3 J	1 J
CADMIUM	0.3 B	0.0096 UL	0.0095 UL	0.028 B	0.2 B	0.02 B
CHROMIUM	20.1	18.7	23.5	27.3 J	19.4 J	25.9 J
COBALT	15.7	5.3	4.7	18.2 J	30 J	4.4 J
COPPER	32.8	21.5	26.2	27.8 J	27.7 J	23.1 J
IRON	25900	27600	29300	35600 J	30900 J	36000 J
LEAD	26.4	4.7	3.7	4	33.3	4.8
MANGANESE	69.5 J	15.2 J	20.4 J	69.4 J	326 J	28.2 J
MERCURY	0.47	0.018 U	0.018 U	0.018 U	0.7	0.019 U
MOLYBDENUM	0.49	0.55	0.4	0.59	0.63	0.53
NICKEL	34.2	10.2	10.9	39.4 J	40.8 J	14 J
SELENIUM	3 L	0.73 L	0.81 L	1.3 L	1.8 L	0.49 J
SILVER	0.37	0.02 U	0.02 U	0.019 U	0.88	0.02 U
THALLIUM	0.069 J	0.069 J	0.044 J	0.1 J	0.077 U	0.05 J
VANADIUM	30.8	41.9	39.1	46 J	29.9 J	48.7 J
ZINC	68.6	20.3	17.5	43.3 L	94.1 L	21.7 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	47000	7900 J	5300 J	7700 J	70000	8400 J
GASOLINE RANGE ORGANICS	56 U	57 U	56 U	55 U	54 U	57 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.42 J	0.33 U	0.48 J	0.32 U	0.32 U	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.53 U	0.6 U	0.72 U	0.51 U	0.57 U
1,1,1-TRICHLOROETHANE	0.51 U	0.48 U	0.54 U	0.65 U	0.46 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.3 U	1.5 U	1.1 U	1.2 U
1,1-DICHLOROETHANE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
1,1-DICHLOROETHENE	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U	0.48 U
1,1-DICHLOROPROPENE	0.28 U	0.26 U	0.29 U	0.35 U	0.25 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.32 U	0.37 U	0.44 U	0.31 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.77 U	0.87 U	1 U	0.74 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.16 U	0.2 U	0.14 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.55 U	0.63 U	0.76 U	0.53 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.3 U	1.5 U	1.1 U	1.2 U
1,2-DIBROMOETHANE	0.46 U	0.43 U	0.48 U	0.58 U	0.41 U	0.46 U
1,2-DICHLOROBENZENE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
1,2-DICHLOROETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,2-DICHLOROPROPANE	0.63 U	0.59 U	0.67 U	0.8 U	0.57 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U	0.32 U
1,3-DICHLOROPROPANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.56 U	0.64 U	0.77 U	0.54 U	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	0.8 U	0.91 U	1.1 U	0.77 U	0.86 U
2-BUTANONE	1.7 J	1.2 U	1.9 J	15	2.2 J	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.4 U	1.6 U	1.2 U	1.3 U
2-CHLOROTOLUENE	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U	0.37 U
2-HEXANONE	0.58 U	0.54 U	0.61 U	0.73 U	0.52 U	0.58 U
4-CHLOROTOLUENE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.2 U	0.24 U	0.17 U	0.19 U
4-METHYL-2-PENTANONE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
ACETONE	15 B	5.4 U	9.2 B	70 B	15 B	5.8 U
BENZENE	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U	0.21 U
BROMOBENZENE	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
BROMOCHLOROMETHANE	0.65 U	0.61 U	0.69 U	0.83 U	0.58 U	0.65 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.27 U	0.33 U	0.23 U	0.26 U
BROMOFORM	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
BROMOMETHANE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
CARBON DISULFIDE	0.87 B	0.38 U	0.99 B	2 B	0.89 B	0.85 B
CARBON TETRACHLORIDE	0.34 U	0.32 U	0.36 U	0.43 U	0.3 U	0.34 U
CHLOROBENZENE	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
CHLORODIBROMOMETHANE	0.51 U	0.47 U	0.53 U	0.64 U	0.45 U	0.51 U
CHLOROETHANE	0.79 U	0.73 U	0.83 U	1 U	0.71 U	0.79 U
CHLOROFORM	0.27 U	0.25 U	0.28 U	0.34 U	0.24 U	0.27 U
CHLOROMETHANE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
DIBROMOMETHANE	0.58 U	0.54 U	0.61 U	0.73 U	0.52 U	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U	0.43 U	0.48 U	0.58 U	0.41 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.5 U	1.7 U	1.2 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.19 U	0.21 U	0.26 U	0.18 U	0.2 U
ETHYLBENZENE	0.24 U	0.22 U	0.25 U	0.3 U	0.21 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.2 U	1.4 U	0.99 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.14 U	0.15 U	0.19 U	0.13 U	0.15 U
M+P-XYLENES	1.1 U	1 U	1.2 U	1.4 U	0.99 U	1.1 U
METHYL TERT-BUTYL ETHER	0.4 UJ	0.37 UJ	0.42 UJ	0.5 UJ	0.35 UJ	0.4 UJ
METHYLENE CHLORIDE	0.62 U	0.57 U	2.7 B	0.78 U	0.55 U	0.93 B
NAPHTHALENE	0.8 B	0.72 B	0.84 B	1 B	0.16 U	0.8 B
N-BUTYLBENZENE	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U	0.21 U
N-PROPYLBENZENE	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U	0.37 U
O-XYLENE	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.15 U	0.17 U	0.21 U	0.15 U	0.17 U
STYRENE	0.14 U	0.13 U	0.15 U	0.17 U	0.12 U	0.14 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.32 UJ	0.36 UJ	0.43 UJ	0.3 UJ	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.25 U	0.28 U	0.34 U	0.24 U	0.27 U
TERTIARY-BUTYL ALCOHOL	7 UR	45 B	51 B	62 B	43 B	49 B
TETRACHLOROETHENE	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U	0.48 U
TOLUENE	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.57 U	0.65 U	0.78 U	0.55 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
TRICHLOROETHENE	0.39 U	0.36 U	0.41 U	0.49 U	0.35 U	0.39 U
TRICHLOROFLUOROMETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
VINYL ACETATE	0.23 U	0.21 U	0.24 U	0.29 U	0.21 U	0.23 U
VINYL CHLORIDE	0.36 U	0.33 U	0.38 U	0.45 U	0.32 U	0.36 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	34 U	31 U	33 U	40 U	34 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	25 U	27 U	32 U	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U	12 U	14 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	31 U	29 U	30 U	37 U	31 U	29 U
2,4,6-TRICHLOROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2,4-DICHLOROPHENOL	25 U	23 U	24 U	29 U	25 U	24 U
2,4-DIMETHYLPHENOL	25 U	23 U	24 U	29 U	25 U	24 U
2,4-DINITROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2,4-DINITROTOLUENE	34 U	31 U	33 U	40 U	34 U	32 U
2,6-DINITROTOLUENE	26 U	24 U	25 U	31 U	26 U	25 U
2-CHLORONAPHTHALENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
2-CHLOROPHENOL	34 U	31 U	33 U	40 U	34 U	32 U
2-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2-NITROANILINE	11 U	10 U	11 U	13 U	11 U	11 U
2-NITROPHENOL	34 U	31 U	33 U	40 U	34 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U	22 U	27 U	22 U	21 U
3-NITROANILINE	20 U	18 U	19 U	24 U	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U	16 U	19 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	24 U	25 U	31 U	26 U	25 U
4-CHLOROANILINE	21 U	20 U	21 U	25 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U	16 U	19 U	16 U	15 U
4-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
4-NITROANILINE	32 U	30 U	31 U	38 U	32 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
ACETOPHENONE	11 U	11 U	11 U	14 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	10 U	11 U	13 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	14 U	15 U	18 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	25 U	27 U	32 U	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.5 U	2.3 U	2.4 U	2.9 U	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	24 U	23 J	23 J	28 U	24 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	15 U	36 J	12 U
CAPROLACTAM	46 U	43 U	45 U	55 U	46 U	44 U
CARBAZOLE	34 U	31 U	33 U	40 U	34 U	32 U
DIBENZOFURAN	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
DIETHYL PHTHALATE	20 U	18 U	19 U	24 U	20 U	19 U
DIMETHYL PHTHALATE	21 U	20 U	21 U	25 U	21 U	20 U
DI-N-BUTYL PHTHALATE	19 U	17 U	18 U	22 U	19 U	18 U
DI-N-OCTYL PHTHALATE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROBENZENE	2.6 U	2.4 U	2.5 U	3.1 U	2.6 U	2.5 U
HEXACHLOROBUTADIENE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROCYCLOPENTADIENE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROETHANE	11 U	10 U	11 U	13 U	11 U	11 U
ISOPHORONE	16 U	15 U	16 U	19 U	16 U	15 U
NITROBENZENE	2.7 U	2.5 U	2.7 U	3.2 U	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	20 U	18 U	19 U	24 U	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	34 U	31 U	33 U	40 U	34 U	32 U
N-NITROSODIPHENYLAMINE	26 U	24 U	25 U	31 U	26 U	25 U
PENTACHLOROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
PHENOL	34 U	31 U	33 U	40 U	34 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ACENAPHTHENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ACENAPHTHYLENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	4.1 U	3.8 U	19.62065	7.3153	4.1 U	3.9 U
BAP EQUIVALENT-POS	4.1 U	3.8 U	17	1.9	4.1 U	3.9 U
BENZO(A)ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BENZO(A)PYRENE	4.1 U	3.8 U	17	4.9 U	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	4.1 U	3.8 U	4 U	19	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
FLUORANTHENE	4.1 U	3.8 U	10	10	4.1 U	3.9 U
FLUORENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
NAPHTHALENE	4.1 U	3.8 U	11	4.9 U	4.1 U	3.9 U
PHENANTHRENE	4.1 U	3.8 U	9	4.9 U	4.1 U	3.9 U
PYRENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	47	29	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.77 U	0.71 U	0.75 UJ	0.91 UJ	0.77 UJ	0.73 UJ
4,4'-DDE	0.48 U	0.45 U	0.47 UJ	0.58 UJ	0.49 UJ	0.46 UJ
4,4'-DDT	0.78 U	0.73 U	0.76 U	0.93 U	0.78 U	0.74 U
ALDRIN	1.5 U	1.4 U	1.5 UJ	1.8 UJ	1.5 UJ	1.4 UJ
ALPHA-BHC	0.91 UJ	0.84 UJ	0.88 UJ	1.1 UJ	0.91 UJ	0.86 UJ
ALPHA-CHLORDANE	1.2 U	1.1 U	1.1 UJ	1.4 UJ	1.2 UJ	1.1 UJ
AROCLOR-1016	26 U	24 U	25 U	31 U	26 U	25 U
AROCLOR-1221	20 U	18 U	19 U	24 U	20 U	19 U
AROCLOR-1232	17 U	16 U	17 U	21 U	17 U	16 U
AROCLOR-1242	16 U	15 U	16 U	19 U	16 U	15 U
AROCLOR-1248	21 U	20 U	21 U	25 U	21 U	20 U
AROCLOR-1254	21 U	20 U	21 U	25 U	21 U	20 U
AROCLOR-1260	21 U	20 U	21 U	25 U	21 U	20 U
BETA-BHC	1.4 U	1.3 U	1.3 UJ	1.6 UJ	1.4 UJ	1.3 UJ
DELTA-BHC	1.5 U	1.4 U	1.5 UJ	1.8 UJ	1.5 UJ	1.4 UJ
DIELDRIN	0.58 U	0.54 U	0.57 U	0.69 U	0.59 U	0.55 U
ENDOSULFAN I	0.65 U	0.6 U	0.63 U	0.77 U	0.65 U	0.61 U
ENDOSULFAN II	1 U	0.95 U	0.99 U	1.2 U	1 U	0.97 U
ENDOSULFAN SULFATE	1.1 U	1 U	1.1 U	1.3 U	1.1 U	1 U
ENDRIN	0.62 U	0.58 U	0.61 U	0.74 U	0.62 U	0.59 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.5 U	1.2 U	1.2 U
ENDRIN KETONE	0.78 U	0.73 U	0.76 U	0.93 U	0.78 U	0.74 U
GAMMA-BHC (LINDANE)	0.92 U	0.85 U	0.9 UJ	1.1 UJ	0.92 UJ	0.87 UJ
GAMMA-CHLORDANE	0.52 U	0.48 U	0.51 UJ	0.62 UJ	0.52 UJ	0.49 UJ
HEPTACHLOR	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U	1.3 U
HEPTACHLOR EPOXIDE	0.99 U	0.92 U	0.97 UJ	1.2 UJ	1 UJ	0.94 UJ
METHOXYCHLOR	1.9 U	1.7 U	1.8 U	2.2 U	1.9 U	1.8 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	24 U	22 U	23 U	28 U	24 U	22 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.075 B	0.29 B	0.087 B	0.24 B	0.3 B
ARSENIC	6.1 J	5.6 J	5.8 J	3.9 J	5.7 J	4.4 J
BARIUM	8.1	11.6	25.3	20.5	23.7	12.6

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.1 J	0.46 J	6.6 J	0.97 J	4.2 J	1.3 J
CADMIUM	0.0097 UL	0.009 UL	0.042 B	0.015 B	0.11 B	0.012 B
CHROMIUM	29.7 J	8.1 J	25.6 J	16.7 J	20.9 J	21.7 J
COBALT	6 J	3 J	27.3 J	6.7 J	20.7 J	7.7 J
COPPER	29.7 J	6.6 J	40.9 J	18.1 J	32.9 J	16.6 J
IRON	46500 J	4650 J	39700 J	20800 J	37200 J	27300 J
LEAD	4.6	4.1	12.4	8.2	10.5	6.4
MANGANESE	44.9 J	5.9 J	110 J	28.1 J	74.5 J	74 J
MERCURY	0.019 U	0.017 U	0.018 U	0.022 U	0.023 J	0.018 U
MOLYBDENUM	0.57	0.073 U	0.45	0.86	0.39	0.41
NICKEL	16.7 J	4.7 J	53.2 J	13.3 J	42.5 J	20.2 J
SELENIUM	0.63 L	2.1 L	4.1 L	0.69 J	4.1 L	1.4 L
SILVER	0.02 U	0.018 U	0.028 B	0.024 U	0.034 B	0.019 U
THALLIUM	0.036 J	0.11 J	0.079 J	0.084 J	0.09 J	0.08 J
VANADIUM	55 J	7.9 J	42.7 J	33.3 J	32.7 J	38.5 J
ZINC	19.2 L	7 L	123 L	28.1 L	108 L	24.6 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	5100 J	3200 UJ	11000 J	33000	4200 J	5300 J
GASOLINE RANGE ORGANICS	57 U	53 UJ	56 UJ	68 UJ	57 UJ	54 UJ
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.45 J	0.33 J	0.43 J	0.51 J	0.34 U	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	0.48 U	0.61 U	0.59 U	0.55 U
1,1,1-TRICHLOROETHANE	0.43 U	0.55 U	0.53 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.26 U	0.33 U	0.32 U	0.3 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1 U	1.3 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.28 U	0.35 U	0.34 U	0.32 U
1,1-DICHLOROETHENE	0.4 U	0.51 U	0.49 U	0.46 U
1,1-DICHLOROPROPENE	0.23 U	0.3 U	0.28 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.29 U	0.37 U	0.36 U	0.34 U
1,2,3-TRICHLOROPROPANE	0.69 U	0.89 U	0.85 U	0.8 U
1,2,3-TRIMETHYLBENZENE	0.13 U	0.17 U	0.16 U	0.15 U
1,2,4-TRICHLOROBENZENE	0.21 U	0.27 U	0.26 U	0.24 U
1,2,4-TRIMETHYLBENZENE	0.5 U	0.64 U	0.61 U	0.58 U
1,2-DIBROMO-3-CHLOROPROPANE	1 U	1.3 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.38 U	0.49 U	0.47 U	0.45 U
1,2-DICHLOROBENZENE	0.28 U	0.35 U	0.34 U	0.32 U
1,2-DICHLOROETHANE	0.26 U	0.33 U	0.32 U	0.3 U
1,2-DICHLOROPROPANE	0.53 U	0.68 U	0.65 U	0.62 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.27 U	0.34 U	0.33 U	0.31 U
1,3-DICHLOROPROPANE	0.26 U	0.33 U	0.32 U	0.3 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.51 U	0.65 U	0.62 U	0.59 U
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.72 U	0.93 U	0.89 U	0.84 U
2-BUTANONE	2.7 J	8.1 J	1.3 U	1.3 J
2-CHLOROETHYL VINYL ETHER	1.1 U	1.4 U	1.3 U	1.2 U
2-CHLOROTOLUENE	0.31 U	0.39 U	0.38 U	0.36 U
2-HEXANONE	0.48 U	0.62 U	0.6 U	0.56 U
4-CHLOROTOLUENE	0.31 U	0.4 U	0.39 U	0.37 U
4-ISOPROPYLTOLUENE	0.16 U	0.21 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.41 U	0.53 U	0.51 U	0.48 U
ACETONE	35 B	88 B	16 B	6.2 B
BENZENE	0.18 U	0.23 U	0.22 U	0.21 U
BROMOBENZENE	0.25 U	0.32 U	0.31 U	0.29 U
BROMOCHLOROMETHANE	0.54 U	0.7 U	0.67 U	0.63 U
BROMODICHLOROMETHANE	0.21 U	0.28 U	0.26 U	0.25 U
BROMOFORM	0.25 U	0.32 U	0.31 U	0.29 U
BROMOMETHANE	0.41 U	0.53 U	0.51 U	0.48 U
CARBON DISULFIDE	0.78 B	1.5 B	0.88 B	0.81 B
CARBON TETRACHLORIDE	0.28 U	0.36 U	0.35 U	0.33 U
CHLOROBENZENE	0.25 U	0.32 U	0.31 U	0.29 U
CHLORODIBROMOMETHANE	0.42 U	0.54 U	0.52 U	0.49 U
CHLOROETHANE	0.66 U	0.85 U	0.81 U	0.77 U
CHLOROFORM	0.22 U	0.29 U	0.27 U	0.26 U
CHLOROMETHANE	0.31 U	0.4 U	0.39 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.28 U	0.35 U	0.34 U	0.32 U
CIS-1,3-DICHLOROPROPENE	0.26 U	0.33 U	0.32 U	0.3 U
DIBROMOMETHANE	0.48 U	0.62 U	0.6 U	0.56 U
DICHLORODIFLUOROMETHANE	0.38 U	0.49 U	0.47 U	0.45 U
DIISOPROPYL ETHER	1.2 U	1.5 U	1.4 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.17 U	0.22 U	0.21 U	0.2 U
ETHYLBENZENE	0.2 U	0.26 U	0.25 U	0.23 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)				
HEXACHLOROBUTADIENE	0.92 U	1.2 U	1.1 U	1.1 U
ISOPROPYLBENZENE	0.12 U	0.16 U	0.15 U	0.14 U
M+P-XYLENES	0.92 U	1.2 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.33 UJ	0.42 UJ	0.41 UJ	0.38 UJ
METHYLENE CHLORIDE	0.75 B	0.98 B	1 B	1 B
NAPHTHALENE	0.7 B	0.83 B	0.83 B	0.77 B
N-BUTYLBENZENE	0.18 U	0.23 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.31 U	0.39 U	0.38 U	0.36 U
O-XYLENE	0.27 U	0.34 U	0.33 U	0.31 U
SEC-BUTYLBENZENE	0.14 U	0.18 U	0.17 U	0.16 U
STYRENE	0.12 U	0.15 U	0.14 U	0.13 U
TERT-AMYL METHYL ETHER	0.28 U	0.36 U	0.35 U	0.33 U
TERT-BUTYLBENZENE	0.22 U	0.29 U	0.27 U	0.26 U
TERTIARY-BUTYL ALCOHOL	41 B	52 B	50 B	47 B
TETRACHLOROETHENE	0.4 U	0.51 U	0.49 U	0.46 U
TOLUENE	0.21 U	0.27 U	0.26 U	0.24 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	0.51 U	0.66 U	0.63 U	0.6 U
TRANS-1,2-DICHLOROETHENE	0.31 U	0.4 U	0.39 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.41 U	0.53 U	0.51 U	0.48 U
TRICHLOROETHENE	0.32 U	0.41 U	0.4 U	0.37 U
TRICHLOROFLUOROMETHANE	0.26 U	0.33 U	0.32 U	0.3 U
VINYL ACETATE	0.19 U	0.25 U	0.24 U	0.22 U
VINYL CHLORIDE	0.3 U	0.38 U	0.37 U	0.35 U
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	31 U	37 U	32 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	26 U	30 U	26 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	13 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	29 U	34 U	29 U	29 U
2,4,6-TRICHLOROPHENOL	93 U	110 U	93 U	93 U
2,4-DICHLOROPHENOL	23 U	27 U	23 U	23 U
2,4-DIMETHYLPHENOL	23 U	27 U	23 U	23 U
2,4-DINITROPHENOL	93 U	110 U	93 U	93 U
2,4-DINITROTOLUENE	31 U	37 U	32 U	31 U
2,6-DINITROTOLUENE	24 U	29 U	25 U	24 U
2-CHLORONAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
2-CHLOROPHENOL	31 U	37 U	32 U	31 U
2-METHYLPHENOL	93 U	110 U	93 U	93 U
2-NITROANILINE	11 U	12 U	11 U	11 U
2-NITROPHENOL	31 U	37 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	25 U	21 U	21 U
3-NITROANILINE	19 U	22 U	19 U	19 U
4,6-DINITRO-2-METHYLPHENOL	93 U	110 U	93 U	93 U
4-BROMOPHENYL PHENYL ETHER	15 U	18 U	15 U	15 U
4-CHLORO-3-METHYLPHENOL	24 U	29 U	25 U	24 U
4-CHLOROANILINE	20 U	23 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	18 U	15 U	15 U
4-METHYLPHENOL	93 U	110 U	93 U	93 U
4-NITROANILINE	30 U	36 U	30 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)				
4-NITROPHENOL	93 U	110 U	93 U	93 U
ACETOPHENONE	11 U	13 U	11 U	11 U
ANILINE	NA	NA	NA	NA
ATRAZINE	11 U	12 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	14 U	16 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	30 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.7 U	2.3 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	27 J	22 U	22 U
BUTYL BENZYL PHTHALATE	12 U	14 U	12 U	12 U
CAPROLACTAM	43 U	51 U	43 U	43 U
CARBAZOLE	31 U	37 U	32 U	31 U
DIBENZOFURAN	3.8 U	4.5 U	3.9 U	3.8 U
DIETHYL PHTHALATE	19 U	22 U	19 U	19 U
DIMETHYL PHTHALATE	20 U	23 U	20 U	20 U
DI-N-BUTYL PHTHALATE	17 U	21 U	18 U	17 U
DI-N-OCTYL PHTHALATE	31 U	37 U	32 U	31 U
HEXACHLOROBENZENE	2.4 U	2.9 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	31 U	37 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	31 U	37 U	32 U	31 U
HEXACHLOROETHANE	10 U	12 U	11 U	10 U
ISOPHORONE	15 U	18 U	15 U	15 U
NITROBENZENE	2.6 U	3 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	22 U	19 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	37 U	32 U	31 U
N-NITROSODIPHENYLAMINE	24 U	29 U	25 U	24 U
PENTACHLOROPHENOL	93 U	110 U	93 U	93 U
PHENOL	31 U	37 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHENE	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.8 U	4.5 U	3.9 U	3.8 U
ANTHRACENE	3.8 U	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	74.721	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	72.821	4.5 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	36	4.5 U	3.9 U	3.8 U
BENZO(A)PYRENE	58	4.5 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	66	4.5 U	3.9 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	33	4.5 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	28	4.5 U	3.9 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI				
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	41	1.5 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 U	4.5 U	3.9 U	3.8 U
FLUORANTHENE	42	4.5 U	3.9 U	3.8 U
FLUORENE	3.8 U	4.5 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	43	4.5 U	3.9 U	3.8 U
NAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
PHENANTHRENE	18	4.5 U	3.9 U	3.8 U
PYRENE	37	4.5 U	3.9 U	3.8 U
TOTAL PAHS	402	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	1.4 U	4.2 U	0.72 U	0.72 U
4,4'-DDE	0.91 U	2.7 U	0.46 U	0.45 U
4,4'-DDT	1.5 U	4.3 U	0.74 U	0.73 U
ALDRIN	2.8 U	8.2 U	1.4 U	1.4 U
ALPHA-BHC	1.7 U	5 U	0.85 U	0.85 U
ALPHA-CHLORDANE	2.2 U	6.4 U	1.1 U	1.1 U
AROCLOR-1016	24 U	29 U	25 U	24 U
AROCLOR-1221	19 U	22 U	19 U	19 U
AROCLOR-1232	16 U	19 U	16 U	16 U
AROCLOR-1242	15 U	18 U	15 U	15 U
AROCLOR-1248	20 U	23 U	20 U	20 U
AROCLOR-1254	20 U	23 U	20 U	20 U
AROCLOR-1260	20 U	23 U	20 U	20 U
BETA-BHC	2.6 U	7.5 U	1.3 U	1.3 U
DELTA-BHC	2.8 U	8.2 U	1.4 U	1.4 U
DIELDRIN	1.1 U	3.2 U	0.55 U	0.54 U
ENDOSULFAN I	1.2 U	3.6 U	0.61 U	0.6 U
ENDOSULFAN II	1.9 U	5.6 U	0.96 U	0.95 U
ENDOSULFAN SULFATE	2 U	5.9 U	1 U	1 U
ENDRIN	1.2 U	3.4 U	0.58 U	0.58 U
ENDRIN ALDEHYDE	2.3 U	6.8 U	1.2 U	1.2 U
ENDRIN KETONE	1.5 U	4.3 U	0.74 U	0.73 U
GAMMA-BHC (LINDANE)	1.7 U	5.1 U	0.86 U	0.86 U
GAMMA-CHLORDANE	0.98 U	2.9 U	0.49 U	0.49 U
HEPTACHLOR	2.6 U	7.5 U	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	1.9 U	5.5 U	0.93 U	0.93 U
METHOXYCHLOR	3.5 U	10 U	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U
TOXAPHENE	44 U	130 U	22 U	22 U
METALS (MG/KG)				
ANTIMONY	0.19 J	0.2 J	0.21 J	0.19 J
ARSENIC	3.4	9.4	3.1	4.3
BARIUM	38.2	32.5	9.8	11.4

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
METALS (CONTINUED) (MG/KG)				
BERYLLIUM	1.3	2.3	1.3	2.3
CADMIUM	0.24	0.016 B	0.016 B	0.025 B
CHROMIUM	15.3	32.2	15.8	22.7
COBALT	9.3	6.7	3.5	8.9
COPPER	16.7	51.9	17.4	30.3
IRON	15400	50200	28100	36700
LEAD	17.1	9.6	3.4	3.3
MANGANESE	44.6	23.5	20	20.9
MERCURY	0.51	0.021 U	0.018 U	0.017 U
MOLYBDENUM	0.4	1.2	0.57	0.78
NICKEL	17.3	12.1	10.1	28.3
SELENIUM	1.3	1.6	1.3	1.4
SILVER	0.31	0.038 J	0.019 U	0.019 U
THALLIUM	0.065 B	0.13 B	0.053 B	0.057 B
VANADIUM	24.8	57.6	41.8	68.5
ZINC	95.4	44.8	10.3	27
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	160000	57000	5600 J	5600 J
GASOLINE RANGE ORGANICS	53 U	63 U	54 U	53 U
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	0.31 U	0.37 U	0.32 U	0.37 J
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031	SB-032	SB-033	SB-057	SB-057
SAMPLE ID				SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3
SAMPLE DATE				20031118	20031121	20031121	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	10	3
BOTTOM DEPTH				5	5	5	10	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	7 U	7 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	7 U	7 U	NA	NA
2-BUTANONE	4700000	2800000	N	59 U	13 J	6 J	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	7 U	7 U	NA	NA
ACETONE	7000000	6100000	N	59 U	77 J	59 J	NA	NA
BENZENE	12000	1100	C	6 U	7 U	7 U	NA	NA
BROMOMETHANE	11000	730	N	6 U	7 U	7 U	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	7 U	7 U	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	7 U	7 U	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	7 U	7 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	18 U	20 U	20 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 J	12 J	11 J	NA	NA
NAPHTHALENE	160000	3600	C	6 U	7 U	7 U	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	7 U	7 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	18 U	20 U	20 U	NA	NA
TOLUENE	630000	500000	N	6 U	7 U	7 U	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	450 U	450 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	400 U	450 U	450 U	NA	NA
CARBAZOLE	32000	NC		400 U	450 U	120 J	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	450 U	65 J	NA	NA
DIMETHYL PHTHALATE	NC	NC		400 U	450 U	450 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	400 U	450 U	450 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		400 U	450 U	450 U	NA	NA
PHENOL	2300000	1800000	N	400 U	450 U	450 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	400 U	450 U	450 U	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	110 J	110 J	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	400 U	450 U	450 U	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	84 J	260 J	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	400 U	**441**	**944**	1.7 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	400 U	**216**	**696**	1.7 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	400 U	**190 J**	**640**	1.2 U	1 U
BENZO(A)PYRENE	22	15	C	400 U	**170 J**	**570**	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	400 U	**170 J**	**560**	1.6 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	400 U	450 U	220 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	180 J	580	2.2 U	1.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-031** **SB-31-05** **20031118** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-032** **SB-32-05** **20031121** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-033** **SB-33-05** **20031121** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-057** **F-SB-57RE-10** **20090917** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-057** **F-SB-57RE-3** **20090917** **NORMAL** **SO** **NORMAL** **SB** **3** **3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	400 U	200 J	610	1.2 U	0.98 U
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	450 U	450 U	1.7 U	1.4 U
FLUORANTHENE	310000	230000	N	400 U	430 J	1000	NA	NA
FLUORENE	310000	230000	N	400 U	83 J	150 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	79 J	450 U	2 U	1.6 U
NAPHTHALENE	160000	3600	C	400 U	95 J	450 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	400 U	380 J	910	NA	NA
PYRENE	230000	170000	N	400 U	450	1000	NA	NA
TOTAL PAHS	NC	NC		0 U	2621	6610	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	59 U	67 U	68 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	3.4 UL	3.4 UL	NA	NA
ARSENIC	0.43	0.39	C	0.59 UR	**2.5 L**	**4.9 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	4.9	3.4 U	3.4 U	NA	NA
CADMIUM	3.9	7	N	3 U	3.4 U	3.4 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	27 L	18 J	23 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	22	33	54	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		24 L	68	120	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	1.7	**3.3**	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	46 L	22	23	NA	NA
SELENIUM	39	39	N	11 L	3.4 U	3.4 U	NA	NA
SILVER	39	39	N	3 U	3.4 UR	3.4 UR	NA	NA
THALLIUM	0.55	NC		2.4 UL	2.7 U	2.7 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	130 J	140	180	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		24000 U	43000	27000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	130 U	140 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84	74	73	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-4 20090917 NORMAL SO NORMAL SB 4 4	SB-057 F-SB-57RE-5 20090917 NORMAL SO NORMAL SB 5 5	SB-057 F-SB-57RE-6 20090917 NORMAL SO NORMAL SB 6 6	SB-057 F-SB-57RE-7 20090917 NORMAL SO NORMAL SB 7 7	SB-057 F-SB-57RE-8 20090917 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-057 F-SB-57RE-4 20090917 NORMAL SO NORMAL SB 4 4**	**SB-057 F-SB-57RE-5 20090917 NORMAL SO NORMAL SB 5 5**	**SB-057 F-SB-57RE-6 20090917 NORMAL SO NORMAL SB 6 6**	**SB-057 F-SB-57RE-7 20090917 NORMAL SO NORMAL SB 7 7**	**SB-057 F-SB-57RE-8 20090917 NORMAL SO NORMAL SB 8 8**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-057 SB-57-05 20040913 NORMAL SO NORMAL SB 5 5	SB-057 SB-57-10 20040913 NORMAL SO NORMAL SB 10 10	SB-058 F-SB-58RE-10 20090917 NORMAL SO NORMAL SB 10 10	SB-058 F-SB-58RE-3 20090917 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	6 U	6 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	6 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	56 U	64 U	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	6 U	6 U	NA	NA
ACETONE	7000000	6100000	N	NA	56 U	64 U	NA	NA
BENZENE	12000	1100	C	NA	6 U	6 U	NA	NA
BROMOMETHANE	11000	730	N	NA	6 U	6 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	6 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	6 U	6 U	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	6 U	6 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 U	13 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	6 U	6 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	6 U	6 U	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	6 U	6 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	6 U	6 U	NA	NA
TOLUENE	630000	500000	N	NA	6 U	6 U	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	370 U	430 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	370 U	430 U	NA	NA
CARBAZOLE	32000	NC		NA	370 U	430 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	370 U	430 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	370 U	430 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	370 U	430 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	370 U	430 U	NA	NA
PHENOL	2300000	1800000	N	NA	370 U	670	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	370 U	430 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	370 U	430 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	370 U	430 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	370 U	430 U	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	370 U	430 U	**41.6**	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	370 U	430 U	**40.7**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	370 U	430 U	35	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	370 U	430 U	**30**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	370 U	430 U	42	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	370 U	430 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	370 U	430 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-057** **F-SB-57RE-9** **20090917** **NORMAL** **SO** **NORMAL** **SB** **9** **9**	**SB-057** **SB-57-05** **20040913** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-057** **SB-57-10** **20040913** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-058** **F-SB-58RE-10** **20090917** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-058** **F-SB-58RE-3** **20090917** **NORMAL** **SO** **NORMAL** **SB** **3** **3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	370 U	430 U	40	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	370 U	430 U	1.8 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	370 U	430 U	NA	NA
FLUORENE	310000	230000	N	NA	370 U	430 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	370 U	430 U	28	1.8 U
NAPHTHALENE	160000	3600	C	NA	370 U	430 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	370 U	430 U	NA	NA
PYRENE	230000	170000	N	NA	370 U	430 U	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	192	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	22 U	NA	NA	NA
AROCLOR-1260	320	220	C	NA	280 U	320 U	NA	NA
BETA-BHC	350	270	C	NA	22 U	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.7 UR	3.1 UR	NA	NA
ARSENIC	0.43	0.39	C	NA	**0.65 L**	**1.8 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.7 U	3.1 U	NA	NA
CADMIUM	3.9	7	N	NA	2.7 UL	3.1 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	8.6 L	9.5 L	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	16	6.4	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	3.2 J	3.7 J	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 UL	0.12 UL	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	2.7 U	3.8 K	NA	NA
SELENIUM	39	39	N	NA	2.7 UL	3.1 UL	NA	NA
SILVER	39	39	N	NA	2.7 UR	3.1 UR	NA	NA
THALLIUM	0.55	NC		NA	2.2 UL	2.4 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	27 UL	31 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	11000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	130 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-4 20090917 NORMAL SO NORMAL SB 4 4	SB-058 F-SB-58RE-5 20090917 NORMAL SO NORMAL SB 5 5	SB-058 F-SB-58RE-6 20090917 NORMAL SO NORMAL SB 6 6	SB-058 F-SB-58RE-7 20090917 NORMAL SO NORMAL SB 7 7	SB-058 F-SB-58RE-8 20090917 ORIG SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	1.5 U	158	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	157	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	98	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	120	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	180	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	77	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058 F-SB-58RE-4 20090917 NORMAL SO NORMAL SB 4 4**	**SB-058 F-SB-58RE-5 20090917 NORMAL SO NORMAL SB 5 5**	**SB-058 F-SB-58RE-6 20090917 NORMAL SO NORMAL SB 6 6**	**SB-058 F-SB-58RE-7 20090917 NORMAL SO NORMAL SB 7 7**	**SB-058 F-SB-58RE-8 20090917 ORIG SO NORMAL SB 8 8**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	1 U	1 U	98	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	87	1.9 UJ
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	660	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-8-AVG 20090917 AVG SO NORMAL SB 8 8	SB-058 F-SB-58RE-8-D 20090917 DUP SO NORMAL SB 8 8	SB-058 F-SB-58RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-058 SB-58-05 20040913 NORMAL SO NORMAL SB 5 5	SB-058 SB-58-10 20040913 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	63 U	63 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	63 U	63 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	13 U	13 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 U	6 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	420 U	420 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	420 U	420 U
CARBAZOLE	32000	NC		NA	NA	NA	420 U	420 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	420 U	420 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	62 J	420 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	420 U	420 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	420 U	420 U
PHENOL	2300000	1800000	N	NA	NA	NA	420 U	690
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	420 U	420 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	420 U	420 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	420 U	420 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	420 U	420 U
BAP EQUIVALENT-HALFND	22	15	C	6.2	11.6	**438**	**331**	420 U
BAP EQUIVALENT-POS	22	15	C	5.8	10.7	**437**	**100**	420 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	**290**	99 J	420 U
BENZO(A)PYRENE	22	15	C	4.9	9	**340**	**83 J**	420 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	**460**	66 J	420 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	420 U	420 U
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	180	86 J	420 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-8-AVG 20090917 AVG SO NORMAL SB 8 8	SB-058 F-SB-58RE-8-D 20090917 DUP SO NORMAL SB 8 8	SB-058 F-SB-58RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-058 SB-58-05 20040913 NORMAL SO NORMAL SB 5 5	SB-058 SB-58-10 20040913 NORMAL SO NORMAL SB 10 10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	310	100 J	420 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	420 U	420 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	150 J	420 U
FLUORENE	310000	230000	N	NA	NA	NA	420 U	420 U
INDENO(1,2,3-CD)PYRENE	220	150	C	8.975	17 J	**200**	420 U	420 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	420 U	420 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	80 J	420 U
PYRENE	230000	170000	N	NA	NA	NA	140 J	420 U
TOTAL PAHS	NC	NC		13	26	1780	804	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	25 U	NA
AROCLOR-1260	320	220	C	NA	NA	NA	310 U	310 U
BETA-BHC	350	270	C	NA	NA	NA	25 U	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	3.1 UR	2.9 UR
ARSENIC	0.43	0.39	C	NA	NA	NA	**2.3 L**	**4.1 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	3.1 U	2.9 U
CADMIUM	3.9	7	N	NA	NA	NA	3.1 UL	2.9 UL
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	19 L	15 L
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	13	21
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	9.3 J	7.9 J
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.12 UL	0.11 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	8.6	18
SELENIUM	39	39	N	NA	NA	NA	3.1 UL	2.9 UL
SILVER	39	39	N	NA	NA	NA	3.1 UR	2.9 UR
THALLIUM	0.55	NC		NA	NA	NA	2.5 UL	2.3 UL
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	68 J	41 J
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	13000 U	13000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	130 U	130 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID				F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	4	6	8	10
BOTTOM DEPTH				10	4	6	8	10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**27.2**	**15.9155**	**121**	**29.8**	**15.7**
BAP EQUIVALENT-POS	22	15	C	**26.4**	**15.015**	**121**	**29.0**	14.6
BENZO(A)ANTHRACENE	220	150	C	11	15	74	22	13
BENZO(A)PYRENE	22	15	C	**20**	12	**73**	**22**	12
BENZO(B)FLUORANTHENE	220	150	C	30	15	84	35	13
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	26	9.7	2.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID				F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	4	6	8	10
BOTTOM DEPTH				10	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	15	15	82	29	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	27	1.6 U	2 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	47	12	2.3 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		99	57	413	129.7	38
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058B F-SB-58REB-4 20091103 ORIG SO NORMAL SB 4 4	SB-058B F-SB-58REB-4-AVG 20091103 AVG SO NORMAL SB 4 4	SB-058B F-SB-58REB-4-D 20091103 DUP SO NORMAL SB 4 4	SB-058B F-SB-58REB-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058B F-SB-58REB-8 20091103 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**40.6**	**29.8**	**19.1**	**84.8**	2.7
BAP EQUIVALENT-POS	22	15	C	**39.8**	**29.1**	**18.3**	**84.8**	0.9
BENZO(A)ANTHRACENE	220	150	C	23	18.5	14	60	1.1 U
BENZO(A)PYRENE	22	15	C	**30**	**22**	14	**58**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	44	30.5	17	77	9
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	12	11.5	11	30	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058B	SB-058B	SB-058B	SB-058B	SB-058B
SAMPLE ID				F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	4	4	6	8
BOTTOM DEPTH				4	4	4	6	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	21	18	15	65	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	9.3	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	30	20.5	11	34	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		160	121	82	333.3	9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C F-SB-58REC-10 20091103 NORMAL SO NORMAL SB 10 10	SB-058C F-SB-58REC-4 20091103 NORMAL SO NORMAL SB 4 4	SB-058C F-SB-58REC-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058C F-SB-58REC-8 20091103 NORMAL SO NORMAL SB 8 8	SB-058D F-SB-58RED-10 20091103 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**16.7**	**25.0**	**43.6**	4.9	**16.7**
BAP EQUIVALENT-POS	22	15	C	**15.7**	**24.2**	**42.8**	3.2	**15.8**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	7.8 J	23	8.4	1.1 U
BENZO(A)PYRENE	22	15	C	14	**19**	**33**	1.6 U	14
BENZO(B)FLUORANTHENE	220	150	C	17	23	44	23	18
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2 U	12	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C F-SB-58REC-10 20091103 NORMAL SO NORMAL SB 10 10	SB-058C F-SB-58REC-4 20091103 NORMAL SO NORMAL SB 4 4	SB-058C F-SB-58REC-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058C F-SB-58REC-8 20091103 NORMAL SO NORMAL SB 8 8	SB-058D F-SB-58RED-10 20091103 NORMAL SO NORMAL SB 10 10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	10	23	13	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	21	30	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		31	80.8	165	44.4	32
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058D F-SB-58RED-4 20091103 NORMAL SO NORMAL SB 4 4	SB-058D F-SB-58RED-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058D F-SB-58RED-8 20091103 NORMAL SO NORMAL SB 8 8	SB-059 SB-59-05 20040923 NORMAL SO NORMAL SB 5 5	SB-059 SB-59-10 20040923 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	56 U	58 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	56 U	58 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	11 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 J	11 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	3800 U	3900 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	3800 U	3900 U
CARBAZOLE	32000	NC		NA	NA	NA	3800 U	3900 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	3800 U	3900 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	3800 U	3900 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	3800 U	3900 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	3800 U	3900 U
PHENOL	2300000	1800000	N	NA	NA	NA	3800 U	3900 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	3800 U	3900 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	3800 U	3900 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	3800 U	3900 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	3800 U	3900 U
BAP EQUIVALENT-HALFND	22	15	C	**92.6**	**475**	**38.0**	**3098**	**2918**
BAP EQUIVALENT-POS	22	15	C	**91.9**	**475**	**37.2**	**799**	**773**
BENZO(A)ANTHRACENE	220	150	C	55	**360**	24	**480 J**	**490 J**
BENZO(A)PYRENE	22	15	C	**71**	**320**	**29**	**750 J**	**670 J**
BENZO(B)FLUORANTHENE	220	150	C	100	**380**	34	3800 U	**480 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	3800 U	3900 U
BENZO(K)FLUORANTHENE	2200	1500	C	37	160	10	3800 U	560 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058D	SB-058D	SB-058D	SB-059	SB-059
SAMPLE ID				F-SB-58RED-4	F-SB-58RED-6	F-SB-58RED-8	SB-59-05	SB-59-10
SAMPLE DATE				20091103	20091103	20091103	20040923	20040923
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	5	10
BOTTOM DEPTH				4	6	8	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	63	300	24	760 J	690 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	62	1.6 U	3800 U	3900 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	730 J	670 J
FLUORENE	310000	230000	N	NA	NA	NA	3800 U	3900 U
INDENO(1,2,3-CD)PYRENE	220	150	C	50	170	23	3800 U	3900 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	3800 U	3900 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	3800 U	3900 U
PYRENE	230000	170000	N	NA	NA	NA	1700 J	1500 J
TOTAL PAHS	NC	NC		376	1752	144	4420	5060
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	280 U	290 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.6 UL	2.9 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	3.9	2.5
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.6 U	2.9 U
CADMIUM	3.9	7	N	NA	NA	NA	2.6 U	2.9 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	30 J	14 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	8.3	8.1
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	9.5	6.4
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.11 U	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	8	7.4
SELENIUM	39	39	N	NA	NA	NA	2.6 U	2.9 U
SILVER	39	39	N	NA	NA	NA	2.6 UR	2.9 UR
THALLIUM	0.55	NC		NA	NA	NA	2.1 U	2.3 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	26 UL	29 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	12000	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	110 U	120 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 D-SB-60RE-10 20090915 NORMAL SO NORMAL SB 10 10	SB-060 D-SB-60RE-3 20090915 NORMAL SO NORMAL SB 3 3	SB-060 D-SB-60RE-4 20090915 NORMAL SO NORMAL SB 4 4	SB-060 D-SB-60RE-5 20090915 NORMAL SO NORMAL SB 5 5	SB-060 D-SB-60RE-6 20090915 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	3.4	**27.3**	**2034**	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.8	**26.5**	**2034**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	8.8	20	**1700**	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**21**	**1400**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	9.2	22	**1800**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	10	660	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060 D-SB-60RE-10 20090915 NORMAL SO NORMAL SB 10 10**	**SB-060 D-SB-60RE-3 20090915 NORMAL SO NORMAL SB 3 3**	**SB-060 D-SB-60RE-4 20090915 NORMAL SO NORMAL SB 4 4**	**SB-060 D-SB-60RE-5 20090915 NORMAL SO NORMAL SB 5 5**	**SB-060 D-SB-60RE-6 20090915 NORMAL SO NORMAL SB 6 6**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	9.7	26	1300	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	**210**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	12	**660**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	27.7	111	7730	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 D-SB-60RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-060 D-SB-60RE-8 20090915 ORIG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-AVG 20090915 AVG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-D 20090915 DUP SO NORMAL SB 8 8	SB-060 D-SB-60RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.2 U	2.15 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID				D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D	D-SB-60RE-9
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	8	8	8	9
BOTTOM DEPTH				7	8	8	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.85 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 SB-60-05 20040924 NORMAL SO NORMAL SB 5 5	SB-060 SB-60-10 20040924 NORMAL SO NORMAL SB 10 10	SB-060A D-SB-60REA-3 20091012 ORIG SO NORMAL SB 3 3	SB-060A D-SB-60REA-3-AVG 20091012 AVG SO NORMAL SB 3 3	SB-060A D-SB-60REA-3-D 20091012 DUP SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	6 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	60 UL	59 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	6 UL	NA	NA	NA
ACETONE	7000000	6100000	N	60 UL	59 UL	NA	NA	NA
BENZENE	12000	1100	C	6 UL	6 UL	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	6 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	6 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	6 UL	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	6 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	12 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	6 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	6 UL	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	6 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	6 UL	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	6 UL	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		420 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
PHENOL	2300000	1800000	N	420 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	420 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	420 U	400 U	**361**	**852**	**1343**
BAP EQUIVALENT-POS	22	15	C	420 U	400 U	**361**	**852**	**1343**
BENZO(A)ANTHRACENE	220	150	C	420 U	400 U	**240 J**	**495**	**750 J**
BENZO(A)PYRENE	22	15	C	420 U	400 U	**240 J**	**530**	**820 J**
BENZO(B)FLUORANTHENE	220	150	C	420 U	400 U	**300 J**	**900**	**1500 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	420 U	400 U	140 J	310	480 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060** **SB-60-05** **20040924** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-060** **SB-60-10** **20040924** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-060A** **D-SB-60REA-3** **20091012** **ORIG** **SO** **NORMAL** **SB** **3** **3**	**SB-060A** **D-SB-60REA-3-AVG** **20091012** **AVG** **SO** **NORMAL** **SB** **3** **3**	**SB-060A** **D-SB-60REA-3-D** **20091012** **DUP** **SO** **NORMAL** **SB** **3** **3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	420 U	400 U	270 J	685	1100 J
DIBENZO(A,H)ANTHRACENE	22	15	C	420 U	400 U	**50 J**	**140**	**230 J**
FLUORANTHENE	310000	230000	N	420 U	45 J	NA	NA	NA
FLUORENE	310000	230000	N	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	420 U	400 U	150 J	**385**	**620 J**
NAPHTHALENE	160000	3600	C	420 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	420 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	420 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	45	1390	3445	5500
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.1 UL	2.6 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	**1 K**	**2.4**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.1 U	2.6 U	NA	NA	NA
CADMIUM	3.9	7	N	3.1 U	2.6 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	60 J	120 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	15 J	21 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		11 K	24 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.14	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	21 K	10 K	NA	NA	NA
SELENIUM	39	39	N	3.1 U	2.6 U	NA	NA	NA
SILVER	39	39	N	3.1 UR	2.6 UR	NA	NA	NA
THALLIUM	0.55	NC		2.5 U	2.1 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	58 L	110	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060A D-SB-60REA-5 20091012 NORMAL SO NORMAL SB 5 5	SB-060A D-SB-60REA-7 20091012 NORMAL SO NORMAL SB 7 7	SB-060B D-SB-60REB-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060B D-SB-60REB-5 20091013 NORMAL SO NORMAL SB 5 5	SB-060B D-SB-60REB-7 20091013 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**19.9**	1.5 U	1.5 U	**44.8**	**32.7**
BAP EQUIVALENT-POS	22	15	C	**18.9**	1.5 U	1.5 U	**44.0**	**31.9**
BENZO(A)ANTHRACENE	220	150	C	14	1.1 U	1.1 U	29	25
BENZO(A)PYRENE	22	15	C	**16**	1.5 U	1.5 U	**35**	**25**
BENZO(B)FLUORANTHENE	220	150	C	15	1.4 U	1.4 U	39	28
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2 U	1.9 U	17	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060A** **D-SB-60REA-5** **20091012** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-060A** **D-SB-60REA-7** **20091012** **NORMAL** **SO** **NORMAL** **SB** **7** **7**	**SB-060B** **D-SB-60REB-3** **20091013** **NORMAL** **SO** **NORMAL** **SB** **3** **3**	**SB-060B** **D-SB-60REB-5** **20091013** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-060B** **D-SB-60REB-7** **20091013** **NORMAL** **SO** **NORMAL** **SB** **7** **7**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	20	1.1 U	1 U	26	25
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.7 U	20	14
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		65	0 U	0 U	166	131
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060C D-SB-60REC-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060C D-SB-60REC-5 20091013 NORMAL SO NORMAL SB 5 5	SB-060C D-SB-60REC-7 20091013 NORMAL SO NORMAL SB 7 7	SB-060D D-SB-60RED-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060D D-SB-60RED-5 20091013 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	13.8	1.5 U	**203**	**42.3**
BAP EQUIVALENT-POS	22	15	C	1.6 U	12.8	1.5 U	**203**	**42.3**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	8.2	1.1 U	**170**	31
BENZO(A)PYRENE	22	15	C	1.6 U	12	1.5 U	**140**	**26**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	140	27
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	59	16
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060C	SB-060C	SB-060C	SB-060D	SB-060D
SAMPLE ID				D-SB-60REC-3	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5
BOTTOM DEPTH				3	5	7	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	13	1.1 U	180	32
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	24	8.6
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	70	17
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	33.2	0 U	783	157.6
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060D D-SB-60RED-7 20091013 ORIG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-AVG 20091013 AVG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-D 20091013 DUP SO NORMAL SB 7 7	SB-061 D-SB-61RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-061 D-SB-61RE-3 20090916 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.55 U	1.5 U	**346**	2.9
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.55 U	1.5 U	**346**	1.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	120	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.55 U	1.5 U	**250**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	**290**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	99	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060D D-SB-60RED-7 20091013 ORIG SO NORMAL SB 7 7**	**SB-060D D-SB-60RED-7-AVG 20091013 AVG SO NORMAL SB 7 7**	**SB-060D D-SB-60RED-7-D 20091013 DUP SO NORMAL SB 7 7**	**SB-061 D-SB-61RE-10 20090916 NORMAL SO NORMAL SB 10 10**	**SB-061 D-SB-61RE-3 20090916 NORMAL SO NORMAL SB 3 3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.05 U	1 U	150	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.55 U	1.5 U	36	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.75 U	1.7 U	180	13
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	1125	13
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6	D-SB-61RE-7	D-SB-61RE-8
SAMPLE DATE				20090916	20090916	20090916	20090916	20090916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	8
BOTTOM DEPTH				4	5	6	7	8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	3.2	**101**	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6	**101**	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	28	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	**73**	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	84	1.5 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	21	2.1 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061 D-SB-61RE-4 20090916 NORMAL SO NORMAL SB 4 4	SB-061 D-SB-61RE-5 20090916 NORMAL SO NORMAL SB 5 5	SB-061 D-SB-61RE-6 20090916 NORMAL SO NORMAL SB 6 6	SB-061 D-SB-61RE-7 20090916 NORMAL SO NORMAL SB 7 7	SB-061 D-SB-61RE-8 20090916 NORMAL SO NORMAL SB 8 8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	55	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	12	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	16	49	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		16	322	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061 D-SB-61RE-9 20090916 NORMAL SO NORMAL SB 9 9	SB-061 SB-61-05 20040924 NORMAL SO NORMAL SB 5 5	SB-061 SB-61-10 20040924 NORMAL SO NORMAL SB 10 10	SB-061A D-SB-61REA-3 20091012 ORIG SO NORMAL SB 3 3	SB-061A D-SB-61REA-3-AVG 20091012 AVG SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	7 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	7 UL	6 UL	NA	NA
2-BUTANONE	4700000	2800000	N	NA	66 UL	60 UL	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	7 UL	6 UL	NA	NA
ACETONE	7000000	6100000	N	NA	66 UL	60 UL	NA	NA
BENZENE	12000	1100	C	NA	7 UL	6 UL	NA	NA
BROMOMETHANE	11000	730	N	NA	7 UL	6 UL	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	7 UL	6 UL	NA	NA
ETHYLBENZENE	780000	5400	C	NA	7 UL	6 UL	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	7 UL	6 UL	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	13 UL	12 UL	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	7 UL	6 UL	NA	NA
NAPHTHALENE	160000	3600	C	NA	7 UL	6 UL	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	7 UL	6 UL	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	7 UL	6 UL	NA	NA
TOLUENE	630000	500000	N	NA	7 UL	6 UL	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	450 U	41 J	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	450 U	400 U	NA	NA
CARBAZOLE	32000	NC		NA	450 U	400 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	450 U	400 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	450 U	400 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	450 U	400 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	450 U	400 U	NA	NA
PHENOL	2300000	1800000	N	NA	450 U	400 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	450 U	400 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	450 U	400 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	450 U	400 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	450 U	400 U	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	450 U	400 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	450 U	400 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	450 U	400 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	450 U	400 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061A	SB-061A
SAMPLE ID				D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3	D-SB-61REA-3-AVG
SAMPLE DATE				20090916	20040924	20040924	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	5	10	3	3
BOTTOM DEPTH				9	5	10	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	450 U	400 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
FLUORANTHENE	310000	230000	N	NA	450 U	400 U	NA	NA
FLUORENE	310000	230000	N	NA	450 U	400 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	450 U	400 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	450 U	400 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	450 U	400 U	NA	NA
PYRENE	230000	170000	N	NA	450 U	400 U	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	330 U	290 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	3.2 UL	2.6 UL	NA	NA
ARSENIC	0.43	0.39	C	NA	1.8	0.51 U	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3.2 U	2.6 U	NA	NA
CADMIUM	3.9	7	N	NA	3.2 U	2.6 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	19 J	12 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	8.7 J	4 J	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	6.3 K	2.6 U	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.13 U	0.1 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	3.2 U	3.7 K	NA	NA
SELENIUM	39	39	N	NA	3.2 U	2.6 U	NA	NA
SILVER	39	39	N	NA	3.2 UR	2.6 UR	NA	NA
THALLIUM	0.55	NC		NA	2.6 U	2.1 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	32 UL	26 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	13000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	140 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID				D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE				20091012	20091012	20091012	20091012	20091012
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	**48.1**	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	**47.3**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	21	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	**39**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	39	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID				D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE				20091012	20091012	20091012	20091012	20091012
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	21	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	171	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061B D-SB-61REB-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061B D-SB-61REB-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061B D-SB-61REB-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061C D-SB-61REC-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061C D-SB-61REC-5 20091012 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**256**	1.5 U	14.1
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**256**	1.5 U	13.2
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	91	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**180**	1.5 U	11
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	**210**	1.4 U	12
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	65	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061B D-SB-61REB-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061B D-SB-61REB-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061B D-SB-61REB-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061C D-SB-61REC-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061C D-SB-61REC-5 20091012 NORMAL SO NORMAL SB 5 5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1 U	110	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	33	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	120	1.8 U	10
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	809	0 U	33
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061C D-SB-61REC-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061C D-SB-61REC-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061D D-SB-61RED-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061D D-SB-61RED-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061D D-SB-61RED-7 20091012 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	**656**	1.6 U	10.4	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	**656**	1.6 U	9.5	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	150	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	**450**	1.6 U	8.4	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	**440**	1.4 U	11	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	150	2 U	2 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061C D-SB-61REC-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061C D-SB-61REC-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061D D-SB-61RED-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061D D-SB-61RED-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061D D-SB-61RED-7 20091012 NORMAL SO NORMAL SB 7 7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	220	1.1 U	8.7	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	110	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	350	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1870	0 U	28.1	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061D** **D-SB-61RED-9** **20091012** **NORMAL** **SO** **NORMAL** **SB** **9** **9**
VOLATILES (UG/KG)				
1,1-DICHLOROETHENE	390000	24000	N	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA
2-BUTANONE	4700000	2800000	N	NA
4-ISOPROPYLTOLUENE	NC	NC		NA
ACETONE	7000000	6100000	N	NA
BENZENE	12000	1100	C	NA
BROMOMETHANE	11000	730	N	NA
CARBON DISULFIDE	780000	82000	N	NA
ETHYLBENZENE	780000	5400	C	NA
ISOPROPYLBENZENE	780000	210000	N	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA
METHYLENE CHLORIDE	85000	11000	C	NA
NAPHTHALENE	160000	3600	C	NA
N-PROPYLBENZENE	NC	340000	N	NA
O-XYLENE	1600000 [4]	380000	N	NA
TOLUENE	630000	500000	N	NA
TOTAL XYLENES	1600000	63000	N	NA
SEMIVOLATILES (UG/KG)				
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA
CARBAZOLE	32000	NC		NA
DIBENZOFURAN	7800	7800	N	NA
DIMETHYL PHTHALATE	NC	NC		NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA
PHENOL	2300000	1800000	N	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA
ACENAPHTHENE	470000	340000	N	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA
ANTHRACENE	2300000	1700000	N	NA
BAP EQUIVALENT-HALFND	22	15	C	**31.2**
BAP EQUIVALENT-POS	22	15	C	**30.4**
BENZO(A)ANTHRACENE	220	150	C	22
BENZO(A)PYRENE	22	15	C	**24**
BENZO(B)FLUORANTHENE	220	150	C	28
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA
BENZO(K)FLUORANTHENE	2200	1500	C	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-FLUORENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-FLUORENES	NC	NC		NA
C2-NAPHTHALENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C3-FLUORENES	NC	NC		NA
C3-NAPHTHALENES	NC	NC		NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C4-NAPHTHALENES	NC	NC		NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061D** **D-SB-61RED-9** **20091012** **NORMAL** **SO** **NORMAL** **SB** **9** **9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)				
CHRYSENE	22000	15000	C	25
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U
FLUORANTHENE	310000	230000	N	NA
FLUORENE	310000	230000	N	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	13
NAPHTHALENE	160000	3600	C	NA
PHENANTHRENE	2300000	170000	N[7]	NA
PYRENE	230000	170000	N	NA
TOTAL PAHS	NC	NC		123
PESTICIDES/PCBS (UG/KG)				
4,4'-DDE	1900	1400	C	NA
AROCLOR-1260	320	220	C	NA
BETA-BHC	350	270	C	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	NA
ARSENIC	0.43	0.39	C	NA
BARIUM	1600	1500	N	NA
BERYLLIUM	16	16	N	NA
CADMIUM	3.9	7	N	NA
CHROMIUM	12000 [10]	12000	N[10]	NA
COBALT	NC	2.3	N	NA
COPPER	310	310	N	NA
IRON	5500	5500	N	NA
LEAD	400	400		NA
MANGANESE	160	180	N	NA
MERCURY	2.3 [11]	2.3	N[12]	NA
MOLYBDENUM	NC	39	N	NA
NICKEL	160	150	N	NA
SELENIUM	39	39	N	NA
SILVER	39	39	N	NA
THALLIUM	0.55	NC		NA
VANADIUM	7.8	39	N[13]	NA
ZINC	2300	2300	N	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		NA
GASOLINE RANGE ORGANICS	230000	NC		NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NC	NC		NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	780	780	N	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062 D-SB-62RE-10 20090914 NORMAL SO NORMAL SB 10 10	SB-062 D-SB-62RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-062 D-SB-62RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-062 D-SB-62RE-5 20090914 NORMAL SO NORMAL SB 5 5	SB-062 D-SB-62RE-6 20090914 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	**44.1**	**69.4**	**153**	**214**
BAP EQUIVALENT-POS	22	15	C	1.5 U	**43.3**	**68.7**	**152**	**213**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	29	48	92	130
BENZO(A)PYRENE	22	15	C	1.5 U	**34**	**54**	**120**	**170**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	41	63	140	**180**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	17	30	60	89
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID				D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6
SAMPLE DATE				20090914	20090914	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6
BOTTOM DEPTH				10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	34	52	100	140
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	21	32	82	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	176	279	594	819
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062 D-SB-62RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-062 D-SB-62RE-8 20090914 NORMAL SO NORMAL SB 8 8	SB-062 D-SB-62RE-9 20090914 NORMAL SO NORMAL SB 9 9	SB-062 SB-62-05 20040923 NORMAL SO NORMAL SB 5 5	SB-062 SB-62-10 20040923 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	58 U	58 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	58 U	58 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 U	10 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	400 U	390 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	400 U	390 U
CARBAZOLE	32000	NC		NA	NA	NA	400 U	390 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	400 U	390 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	400 U	390 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	400 U	390 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	400 U	390 U
PHENOL	2300000	1800000	N	NA	NA	NA	400 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	400 U	390 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	400 U	390 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	400 U	390 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	400 U	390 U
BAP EQUIVALENT-HALFND	22	15	C	**77.1**	**65.6**	**1347**	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	**76.4**	**64.8**	**1346**	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	54	46	**590**	400 U	390 U
BENZO(A)PYRENE	22	15	C	**59**	**51**	**1100**	400 U	390 U
BENZO(B)FLUORANTHENE	220	150	C	76	57	**1100**	400 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	400 U	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	34	30	460	400 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-062 D-SB-62RE-7 20090914 NORMAL SO NORMAL SB 7 7**	**SB-062 D-SB-62RE-8 20090914 NORMAL SO NORMAL SB 8 8**	**SB-062 D-SB-62RE-9 20090914 NORMAL SO NORMAL SB 9 9**	**SB-062 SB-62-05 20040923 NORMAL SO NORMAL SB 5 5**	**SB-062 SB-62-10 20040923 NORMAL SO NORMAL SB 10 10**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	57	48	670	400 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	400 U	390 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	400 U	390 U
FLUORENE	310000	230000	N	NA	NA	NA	400 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	40	32	**720**	400 U	390 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	400 U	390 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	400 U	390 U
PYRENE	230000	170000	N	NA	NA	NA	45 J	390 U
TOTAL PAHS	NC	NC		320	264	4640	45	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	290 U	290 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.5 UL	2.7 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	**1.7**	0.53 U
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.5 U	2.7 U
CADMIUM	3.9	7	N	NA	NA	NA	2.5 U	2.7 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	16 J	3.6 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	11	2.7 U
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	7.8	2.7 U
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.1 U	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	11	2.7 U
SELENIUM	39	39	N	NA	NA	NA	2.5 U	2.7 U
SILVER	39	39	N	NA	NA	NA	2.5 UR	2.7 UR
THALLIUM	0.55	NC		NA	NA	NA	2 U	2.1 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	38 J	27 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	120 U	120 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A D-SB-62REA-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062A D-SB-62REA-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062A D-SB-62REA-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062A D-SB-62REA-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062B D-SB-62REB-3 20091015 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**61.3**	**4212**	**239**	**4863**	**62.3**
BAP EQUIVALENT-POS	22	15	C	**60.5**	**4212**	**239**	**4863**	**61.5**
BENZO(A)ANTHRACENE	220	150	C	46	**2400**	130	**4500**	46
BENZO(A)PYRENE	22	15	C	**47**	**3000**	**170**	**3300**	**47**
BENZO(B)FLUORANTHENE	220	150	C	61	**3100**	**190**	**5300**	64
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	27	970	70	950	26
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A D-SB-62REA-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062A D-SB-62REA-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062A D-SB-62REA-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062A D-SB-62REA-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062B D-SB-62REB-3 20091015 NORMAL SO NORMAL SB 3 3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	47	2100	140	3800	47
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	520	27	430	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	25	1300	92	1400	32
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		253	13390	819	19680	262
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062B D-SB-62REB-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062B D-SB-62REB-7 20091015 ORIG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-AVG 20091015 AVG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-D 20091015 DUP SO NORMAL SB 7 7	SB-062B D-SB-62REB-9 20091015 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**282**	**434**	**264**	**94.8**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**282**	**434**	**264**	**94.8**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	**200**	**320 J**	**185**	50 J	1.1 U
BENZO(A)PYRENE	22	15	C	**200**	**300 J**	**184**	**68 J**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	**220**	**340 J**	**200.5**	61 J	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	160 J	99.5	39 J	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062B D-SB-62REB-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062B D-SB-62REB-7 20091015 ORIG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-AVG 20091015 AVG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-D 20091015 DUP SO NORMAL SB 7 7	SB-062B D-SB-62REB-9 20091015 NORMAL SO NORMAL SB 9 9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	180	310 J	181	52 J	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**28**	**51 J**	**31**	11 J	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	110	150 J	96.5	43 J	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1048	1631	977.5	324	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062C D-SB-62REC-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062C D-SB-62REC-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062C D-SB-62REC-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062C D-SB-62REC-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062D D-SB-62RED-5 20091014 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**174**	**45.8**	**131**	1.5 U	**58.1**
BAP EQUIVALENT-POS	22	15	C	**174**	**45.1**	**121**	1.5 U	**57.3**
BENZO(A)ANTHRACENE	220	150	C	130	32	110	1.1 U	36
BENZO(A)PYRENE	22	15	C	**120**	**35**	**110**	1.5 U	**45**
BENZO(B)FLUORANTHENE	220	150	C	**160**	40	15 U	1.4 U	57
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	60	16	21 U	2 U	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062C	SB-062C	SB-062C	SB-062C	SB-062D
SAMPLE ID				D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9	D-SB-62RED-5
SAMPLE DATE				20091015	20091015	20091015	20091015	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	5
BOTTOM DEPTH				3	5	7	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	130	22	11 U	1.1 U	30
DIBENZO(A,H)ANTHRACENE	22	15	C	**18**	1.5 U	16 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	59	27	18 U	1.8 U	28
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		677	172	220	0 U	211
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D D-SB-62RED-7 20091014 NORMAL SO NORMAL SB 7 7	SB-062D D-SB-62RED-9 20091014 NORMAL SO NORMAL SB 9 9	SB-063 D-SB-63RE-10 20090915 NORMAL SO NORMAL SB 10 10	SB-063 D-SB-63RE-3 20090915 NORMAL SO NORMAL SB 3 3	SB-063 D-SB-63RE-4 20090915 NORMAL SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**26.5**	1.5 U	1.7 U	**379**	**157**
BAP EQUIVALENT-POS	22	15	C	9.9	1.5 U	1.7 U	**379**	**157**
BENZO(A)ANTHRACENE	220	150	C	11 U	1.1 U	1.2 U	**260**	90
BENZO(A)PYRENE	22	15	C	15 U	1.5 U	1.7 U	**260**	**110**
BENZO(B)FLUORANTHENE	220	150	C	99	1.4 U	1.6 U	**340**	110
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	20 U	2 U	2.2 U	100	61
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D D-SB-62RED-7 20091014 NORMAL SO NORMAL SB 7 7	SB-062D D-SB-62RED-9 20091014 NORMAL SO NORMAL SB 9 9	SB-063 D-SB-63RE-10 20090915 NORMAL SO NORMAL SB 10 10	SB-063 D-SB-63RE-3 20090915 NORMAL SO NORMAL SB 3 3	SB-063 D-SB-63RE-4 20090915 NORMAL SO NORMAL SB 4 4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	11 U	1 U	1.2 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	15 U	1.5 U	1.7 U	44	19
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	18 U	1.7 U	1.9 U	140	69
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		99	0 U	0 U	1414	569
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063 D-SB-63RE-5 20090915 NORMAL SO NORMAL SB 5 5	SB-063 D-SB-63RE-6 20090915 NORMAL SO NORMAL SB 6 6	SB-063 D-SB-63RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-063 D-SB-63RE-8 20090915 NORMAL SO NORMAL SB 8 8	SB-063 D-SB-63RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	9.4	1.7 U	**40.4**	**20.9**	1.7 U
BAP EQUIVALENT-POS	22	15	C	8.4	1.7 U	**39.7**	**20.0**	1.7 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	21	13	1.3 U
BENZO(A)PYRENE	22	15	C	8.4	1.7 U	**32**	**16**	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	36	17	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.2 U	13	2.2 U	2.3 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-063 D-SB-63RE-5 20090915 NORMAL SO NORMAL SB 5 5**	**SB-063 D-SB-63RE-6 20090915 NORMAL SO NORMAL SB 6 6**	**SB-063 D-SB-63RE-7 20090915 NORMAL SO NORMAL SB 7 7**	**SB-063 D-SB-63RE-8 20090915 NORMAL SO NORMAL SB 8 8**	**SB-063 D-SB-63RE-9 20090915 NORMAL SO NORMAL SB 9 9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	32	18	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	18	9.9	2 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.4	0 U	152	73.9	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063 SB-63-05 20040924 NORMAL SO NORMAL SB 5 5	SB-063 SB-63-10 20040924 NORMAL SO NORMAL SB 10 10	SB-063A D-SB-63REA-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063A D-SB-63REA-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063B D-SB-63REB-4 20091013 NORMAL SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	7 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	7 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	60 UL	68 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	7 UL	NA	NA	NA
ACETONE	7000000	6100000	N	60 UL	68 UL	NA	NA	NA
BENZENE	12000	1100	C	6 UL	7 UL	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	7 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	7 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	7 UL	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	7 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	14 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	7 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	7 UL	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	7 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	7 UL	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	7 UL	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	450 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	450 U	NA	NA	NA
CARBAZOLE	32000	NC		410 U	450 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	450 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	450 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	450 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		76 J	450 U	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	450 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	450 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	450 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	450 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	450 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**354**	450 U	11.5	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**149**	450 U	10.5	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	110 J	450 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	**120 J**	450 U	9.4	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	84 J	450 U	11	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	110 J	450 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	140 J	450 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-063** **SB-63-05** **20040924** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-063** **SB-63-10** **20040924** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-063A** **D-SB-63REA-4** **20091013** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-063A** **D-SB-63REA-6** **20091013** **NORMAL** **SO** **NORMAL** **SB** **6** **6**	**SB-063B** **D-SB-63REB-4** **20091013** **NORMAL** **SO** **NORMAL** **SB** **4** **4**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	150 J	450 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	450 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	150 J	450 U	NA	NA	NA
FLUORENE	310000	230000	N	410 U	450 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	79 J	450 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	410 U	450 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	49 J	450 U	NA	NA	NA
PYRENE	230000	170000	N	250 J	450 U	NA	NA	NA
TOTAL PAHS	NC	NC		1242	0 U	20.4	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	330 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	3.2 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.2 K**	0.65 U	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	3.2 U	NA	NA	NA
CADMIUM	3.9	7	N	3 U	3.2 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	22 J	22 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	13 J	13 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		9 K	4.5 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	16 K	15 K	NA	NA	NA
SELENIUM	39	39	N	3 U	3.2 U	NA	NA	NA
SILVER	39	39	N	3 UR	3.2 UR	NA	NA	NA
THALLIUM	0.55	NC		2.4 U	2.6 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	36 L	32 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	13000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	140 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063B D-SB-63REB-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063C D-SB-63REC-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063C D-SB-63REC-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063D D-SB-63RED-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063D D-SB-63RED-6 20091013 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	**46.3**	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	**45.5**	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	36	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	**35**	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	49	1.4 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	12	2 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063B	SB-063C	SB-063C	SB-063D	SB-063D
SAMPLE ID				D-SB-63REB-6	D-SB-63REC-4	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	4	6	4	6
BOTTOM DEPTH				6	4	6	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	37	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	18	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	187	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064 SB-64-05 20040924 NORMAL SO NORMAL SB 5 5	SB-065 D-SB-65RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-065 D-SB-65RE-3 20090916 NORMAL SO NORMAL SB 3 3	SB-065 D-SB-65RE-5 20090916 ORIG SO NORMAL SB 5 5	SB-065 D-SB-65RE-5-AVG 20090916 AVG SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	61 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	61 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		410 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	410 U	1.5 U	**15.1**	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	410 U	1.5 U	14.3	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	410 U	1.1 U	9.1	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	410 U	1.5 U	11	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	410 U	1.4 U	14	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064 SB-64-05 20040924 NORMAL SO NORMAL SB 5 5	SB-065 D-SB-65RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-065 D-SB-65RE-3 20090916 NORMAL SO NORMAL SB 3 3	SB-065 D-SB-65RE-5 20090916 ORIG SO NORMAL SB 5 5	SB-065 D-SB-65RE-5-AVG 20090916 AVG SO NORMAL SB 5 5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	410 U	1.1 U	11	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	410 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	410 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	1.8 U	9.8	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	410 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	410 U	NA	NA	NA	NA
PYRENE	230000	170000	N	410 U	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	54.9	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.79 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	3 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	26 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	22 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		13 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.14	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	18 K	NA	NA	NA	NA
SELENIUM	39	39	N	3 U	NA	NA	NA	NA
SILVER	39	39	N	3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.4 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	30 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065 D-SB-65RE-5-D 20090916 DUP SO NORMAL SB 5 5	SB-065 D-SB-65RE-6 20090916 NORMAL SO NORMAL SB 6 6	SB-065 D-SB-65RE-7 20090916 NORMAL SO NORMAL SB 7 7	SB-065 D-SB-65RE-8 20090916 NORMAL SO NORMAL SB 8 8	SB-065 D-SB-65RE-9 20090916 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID				D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8	D-SB-65RE-9
SAMPLE DATE				20090916	20090916	20090916	20090916	20090916
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	6	7	8	9
BOTTOM DEPTH				5	6	7	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.7 U	1.7 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID				SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE				20040917	20040917	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	3	4	5
BOTTOM DEPTH				5	10	3	4	5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	62 U	60 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	6 U	NA	NA	NA
ACETONE	7000000	6100000	N	62 U	60 U	NA	NA	NA
BENZENE	12000	1100	C	6 U	6 U	NA	NA	NA
BROMOMETHANE	11000	730	N	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	8 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		420 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		420 UJ	400 UJ	NA	NA	NA
PHENOL	2300000	1800000	N	420 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	420 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	420 U	400 U	1.5 U	1.5 U	**46.9**
BAP EQUIVALENT-POS	22	15	C	420 U	400 U	1.5 U	1.5 U	**46.1**
BENZO(A)ANTHRACENE	220	150	C	420 U	400 U	1.1 U	1.1 U	53
BENZO(A)PYRENE	22	15	C	420 UJ	400 UJ	1.5 U	1.5 U	**35**
BENZO(B)FLUORANTHENE	220	150	C	420 UJ	400 UJ	1.4 U	1.4 U	39
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 UJ	400 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	420 UJ	400 UJ	1.9 U	2 U	17
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID				SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE				20040917	20040917	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	3	4	5
BOTTOM DEPTH				5	10	3	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	420 U	400 U	1 U	1.1 U	58
DIBENZO(A,H)ANTHRACENE	22	15	C	420 UJ	400 UJ	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	420 U	400 U	NA	NA	NA
FLUORENE	310000	230000	N	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	420 UJ	400 UJ	1.7 U	1.8 U	17
NAPHTHALENE	160000	3600	C	420 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	420 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	420 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	219
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	310 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.1 UR	2.9 UR	NA	NA	NA
ARSENIC	0.43	0.39	C	2 L	0.58 UL	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.1 UL	2.9 UL	NA	NA	NA
CADMIUM	3.9	7	N	3.1 UL	2.9 UL	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	35	16	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	23 L	17 L	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		6.5 L	3 L	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	23	14	NA	NA	NA
SELENIUM	39	39	N	3.1 UL	2.9 UL	NA	NA	NA
SILVER	39	39	N	3.1 UR	2.9 UR	NA	NA	NA
THALLIUM	0.55	NC		2.5 UL	2.3 UL	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	31 U	29 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		13000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		130 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066 D-SB-66RE-6 20090914 NORMAL SO NORMAL SB 6 6	SB-066 D-SB-66RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-066 D-SB-66RE-8 20090914 ORIG SO NORMAL SB 8 8	SB-066 D-SB-66RE-8-AVG 20090914 AVG SO NORMAL SB 8 8	SB-066 D-SB-66RE-8-D 20090914 DUP SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**45.4**	1.6 U	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**44.6**	1.6 U	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	61	1.2 U	1.1 U	1.15 U	1.2 U
BENZO(A)PYRENE	22	15	C	**33**	1.6 U	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	38	1.5 U	1.4 U	1.45 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	2.1 U	2 U	2.05 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID				D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D
SAMPLE DATE				20090914	20090914	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	7	8	8	8
BOTTOM DEPTH				6	7	8	8	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	75	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	15	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		237	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID				SB-66-05	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4
SAMPLE DATE				20040923	20040923	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	4	4	4
BOTTOM DEPTH				5	10	4	4	4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	57 U	59 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	6 U	NA	NA	NA
ACETONE	7000000	6100000	N	57 U	59 U	NA	NA	NA
BENZENE	12000	1100	C	6 U	6 U	NA	NA	NA
BROMOMETHANE	11000	730	N	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	10 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	390 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	390 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		390 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		390 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	61 J	76 J	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		390 U	400 U	NA	NA	NA
PHENOL	2300000	1800000	N	390 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	390 U	400 U	1.5 U	3.3	1.5 U
BAP EQUIVALENT-POS	22	15	C	390 U	400 U	1.5 U	1.7	1.5 U
BENZO(A)ANTHRACENE	220	150	C	390 U	400 U	1.1 U	7.7	1.1 U
BENZO(A)PYRENE	22	15	C	390 U	400 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	400 U	1.4 U	9.7	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	400 U	2 U	1.9 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-066** **SB-66-05** **20040923** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-066** **SB-66-10** **20040923** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-066A** **D-SB-66REA-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-066B** **D-SB-66REB-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-066C** **D-SB-66REC-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	390 U	400 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	400 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	390 U	400 U	NA	NA	NA
FLUORENE	310000	230000	N	390 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	400 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	390 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	390 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	17.4	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	290 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	3 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.4**	**1.5**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	3 U	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	3 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	22 J	11 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	23	7.7	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		7.8	6.3	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	2.7 U	7.7	NA	NA	NA
SELENIUM	39	39	N	4	3 U	NA	NA	NA
SILVER	39	39	N	2.7 UR	3 UR	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	2.4 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	27 UL	35 J	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D D-SB-66RED-3 20091014 NORMAL SO NORMAL SB 3 3	SB-066D D-SB-66RED-4 20091014 ORIG SO NORMAL SB 4 4	SB-066D D-SB-66RED-4-AVG 20091014 AVG SO NORMAL SB 4 4	SB-066D D-SB-66RED-4-D 20091014 DUP SO NORMAL SB 4 4	SB-067 SB-67-05 20040927 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	7 UL
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	7 UL
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	72 UL
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	7 UL
ACETONE	7000000	6100000	N	NA	NA	NA	NA	72 UL
BENZENE	12000	1100	C	NA	NA	NA	NA	7 UL
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	7 UL
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	7 UL
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	7 UL
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	7 UL
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	14 UL
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	7 UL
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	7 UL
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	7 UL
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	7 UL
TOLUENE	630000	500000	N	NA	NA	NA	NA	7 UL
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	490 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	490 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	490 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	490 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	490 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	490 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	490 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	490 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	490 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	490 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	490 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	490 U
BAP EQUIVALENT-HALFND	22	15	C	**62.2**	1.5 U	8.4	**16.0**	490 U
BAP EQUIVALENT-POS	22	15	C	**62.2**	1.5 U	7.99	**15.2**	490 U
BENZO(A)ANTHRACENE	220	150	C	37	1.1 U	6.775	13	490 U
BENZO(A)PYRENE	22	15	C	**39**	1.5 U	1.5 U	1.5 U	490 U
BENZO(B)FLUORANTHENE	220	150	C	47	1.4 U	7.85	15	490 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	490 U
BENZO(K)FLUORANTHENE	2200	1500	C	23	2 U	7	13	490 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D	SB-066D	SB-066D	SB-066D	SB-067
SAMPLE ID				D-SB-66RED-3	D-SB-66RED-4	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05
SAMPLE DATE				20091014	20091014	20091014	20091014	20040927
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	4	4	4	5
BOTTOM DEPTH				3	4	4	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	32	1.1 U	1.1 U	1.1 U	490 U
DIBENZO(A,H)ANTHRACENE	22	15	C	12	1.5 U	5.875	11	490 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	490 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	490 U
INDENO(1,2,3-CD)PYRENE	220	150	C	25	1.8 U	6.95	13	490 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	490 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	490 U
PYRENE	230000	170000	N	NA	NA	NA	NA	490 U
TOTAL PAHS	NC	NC		215	0 U	32.5	65	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	360 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	3.6 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	**1.2 K**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	3.6 U
CADMIUM	3.9	7	N	NA	NA	NA	NA	3.6 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	41 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	9.1 J
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	4.3 K
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	0.14 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	3.6 U
SELENIUM	39	39	N	NA	NA	NA	NA	3.6 U
SILVER	39	39	N	NA	NA	NA	NA	3.6 UR
THALLIUM	0.55	NC		NA	NA	NA	NA	2.9 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	36 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	17000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	150 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-067 SB-67-10 20040927 NORMAL SO NORMAL SB 10 10	SB-239 D-SB-239RE-10 20091006 NORMAL SO NORMAL SB 10 10	SB-239 D-SB-239RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-239 D-SB-239RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-239 D-SB-239RE-5 20090914 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	59 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	59 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		410 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	410 U	**26.3**	3.3	**26.2**	**23.6**
BAP EQUIVALENT-POS	22	15	C	410 U	**21.2**	1.7	**26.2**	**22.9**
BENZO(A)ANTHRACENE	220	150	C	410 U	14 J	8.3	13	21
BENZO(A)PYRENE	22	15	C	410 U	**16 J**	1.5 U	12	**17**
BENZO(B)FLUORANTHENE	220	150	C	410 U	22 J	8.6	14	22
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	9.8 U	1.9 U	13	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-067** **SB-67-10** **20040927** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-239** **D-SB-239RE-10** **20091006** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-239** **D-SB-239RE-3** **20090914** **NORMAL** **SO** **NORMAL** **SB** **3** **3**	**SB-239** **D-SB-239RE-4** **20090914** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-239** **D-SB-239RE-5** **20090914** **NORMAL** **SO** **NORMAL** **SB** **5** **5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	410 U	14 J	1 U	15	23
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	10 U	1.5 U	10	1.5 U
FLUORANTHENE	310000	230000	N	410 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	410 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	16 J	1.7 U	14	14
NAPHTHALENE	160000	3600	C	410 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	410 U	NA	NA	NA	NA
PYRENE	230000	170000	N	410 U	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	82	16.9	91	111
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.2 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	13 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	31 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		11 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	27 K	NA	NA	NA	NA
SELENIUM	39	39	N	2.7 U	NA	NA	NA	NA
SILVER	39	39	N	2.7 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	50 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239 D-SB-239RE-6 20090914 NORMAL SO NORMAL SB 6 6	SB-239 D-SB-239RE-7 20091006 NORMAL SO NORMAL SB 7 7	SB-239 D-SB-239RE-8 20091006 NORMAL SO NORMAL SB 8 8	SB-239 D-SB-239RE-9 20091006 NORMAL SO NORMAL SB 9 9	SB-240 D-SB-240RE-10 20090915 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**208**	**417**	**367**	**1801**	**112**
BAP EQUIVALENT-POS	22	15	C	**208**	**417**	**367**	**1801**	**112**
BENZO(A)ANTHRACENE	220	150	C	120	**190**	**180**	**930**	88
BENZO(A)PYRENE	22	15	C	**140**	**300**	**260**	**1200**	**76**
BENZO(B)FLUORANTHENE	220	150	C	**170**	**350**	**300**	**1400**	110
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	67	8.4 U	8.2 U	8.2 U	36
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-239	SB-240
SAMPLE ID				D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9	D-SB-240RE-10
SAMPLE DATE				20090914	20091006	20091006	20091006	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	7	8	9	10
BOTTOM DEPTH				6	7	8	9	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	130	190	180	850	80
DIBENZO(A,H)ANTHRACENE	22	15	C	30	42	41	270	12
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	84	210	180	970	41
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		741	1282	1141	5620	443
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 D-SB-240RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-240 D-SB-240RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-240 D-SB-240RE-6 20090915 NORMAL SO NORMAL SB 6 6	SB-240 D-SB-240RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-240 D-SB-240RE-8 20090914 ORIG SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**203**	**135**	**187**	**5503**	2.8
BAP EQUIVALENT-POS	22	15	C	**203**	**135**	**187**	**5503**	0.99
BENZO(A)ANTHRACENE	220	150	C	**160**	91	130	**4600**	1.2 UJ
BENZO(A)PYRENE	22	15	C	**140**	**91**	**130**	**3800**	1.6 UJ
BENZO(B)FLUORANTHENE	220	150	C	**190**	120	**160**	**4700**	9.9 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	81	49	61	**1900**	2.1 UJ
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 D-SB-240RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-240 D-SB-240RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-240 D-SB-240RE-6 20090915 NORMAL SO NORMAL SB 6 6	SB-240 D-SB-240RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-240 D-SB-240RE-8 20090914 ORIG SO NORMAL SB 8 8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	160	100	140	3900	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	**21**	**17**	**20**	**570**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	65	52	77	**1800**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		817	520	718	21270	9.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 D-SB-240RE-8-AVG 20090914 AVG SO NORMAL SB 8 8	SB-240 D-SB-240RE-8-D 20090914 DUP SO NORMAL SB 8 8	SB-240A D-SB-240REA-3 20091014 NORMAL SO NORMAL SB 3 3	SB-240A D-SB-240REA-5 20091014 NORMAL SO NORMAL SB 5 5	SB-240A D-SB-240REA-7 20091014 ORIG SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**15.5**	**28.3**	**46.8**	**326**	4.6
BAP EQUIVALENT-POS	22	15	C	14.3	**27.6**	**46.0**	**326**	2.9
BENZO(A)ANTHRACENE	220	150	C	12.3	24 J	40	**240**	15
BENZO(A)PYRENE	22	15	C	10.9	**21 J**	**35**	**230**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	16.95	24 J	48	**240**	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	9.025	17 J	20	86	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240	SB-240	SB-240A	SB-240A	SB-240A
SAMPLE ID				D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7
SAMPLE DATE				20090914	20090914	20091014	20091014	20091014
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	8	3	5	7
BOTTOM DEPTH				8	8	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	11.775	23 J	36	310	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.55 U	1.5 U	1.5 U	36	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8.45	16	20	110	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		67.45	125	199	1252	29
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240A D-SB-240REA-7-AVG 20091014 AVG SO NORMAL SB 7 7	SB-240A D-SB-240REA-7-D 20091014 DUP SO NORMAL SB 7 7	SB-240A D-SB-240REA-9 20091014 NORMAL SO NORMAL SB 9 9	SB-240B D-SB-240REB-3 20091013 NORMAL SO NORMAL SB 3 3	SB-240B D-SB-240REB-5 20091013 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	10.0	**15.3**	3.4	**37.9**	2.4
BAP EQUIVALENT-POS	22	15	C	8.7	14.5	1.8	**37.1**	0.79
BENZO(A)ANTHRACENE	220	150	C	15	15	8.7	29	1.1 U
BENZO(A)PYRENE	22	15	C	5.4	10	1.5 U	**29**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	17	20	9.2	37	7.9
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240A D-SB-240REA-7-AVG 20091014 AVG SO NORMAL SB 7 7**	**SB-240A D-SB-240REA-7-D 20091014 DUP SO NORMAL SB 7 7**	**SB-240A D-SB-240REA-9 20091014 NORMAL SO NORMAL SB 9 9**	**SB-240B D-SB-240REB-3 20091013 NORMAL SO NORMAL SB 3 3**	**SB-240B D-SB-240REB-5 20091013 NORMAL SO NORMAL SB 5 5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	5.45	10	1.8 U	13	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		42	55	17.9	167	7.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240B D-SB-240REB-7 20091013 NORMAL SO NORMAL SB 7 7	SB-240B D-SB-240REB-9 20091013 NORMAL SO NORMAL SB 9 9	SB-240C D-SB-240REC-3 20091013 ORIG SO NORMAL SB 3 3	SB-240C D-SB-240REC-3-AVG 20091013 AVG SO NORMAL SB 3 3	SB-240C D-SB-240REC-3-D 20091013 DUP SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	**108**	**67.4**	**26.7**
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	**108**	**67.0**	**25.9**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	65 J	42.5	20 J
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	**71 J**	**45.5**	**20 J**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	110 J	68	26 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	31 J	21.5	12 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240B	SB-240B	SB-240C	SB-240C	SB-240C
SAMPLE ID				D-SB-240REB-7	D-SB-240REB-9	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	3	3
BOTTOM DEPTH				7	9	3	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	66 J	43.5	21 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	15 J	7.875	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	42 J	27	12 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	400	255.5	111
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C D-SB-240REC-5 20091013 NORMAL SO NORMAL SB 5 5	SB-240C D-SB-240REC-7 20091013 NORMAL SO NORMAL SB 7 7	SB-240C D-SB-240REC-9 20091013 NORMAL SO NORMAL SB 9 9	SB-240D D-SB-240RED-3 20091013 NORMAL SO NORMAL SB 3 3	SB-240D D-SB-240RED-5 20091013 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**4899**	1.5 U	**17.1**	**49.6**	**5759**
BAP EQUIVALENT-POS	22	15	C	**4899**	1.5 U	**16.3**	**48.8**	**5759**
BENZO(A)ANTHRACENE	220	150	C	**4100**	1.1 U	10	39	**1700**
BENZO(A)PYRENE	22	15	C	**3400**	1.5 U	13	**38**	**3800**
BENZO(B)FLUORANTHENE	220	150	C	**4600**	1.3 U	13	44	**4500**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1500	1.9 U	8	27	**1700**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240C D-SB-240REC-5 20091013 NORMAL SO NORMAL SB 5 5**	**SB-240C D-SB-240REC-7 20091013 NORMAL SO NORMAL SB 7 7**	**SB-240C D-SB-240REC-9 20091013 NORMAL SO NORMAL SB 9 9**	**SB-240D D-SB-240RED-3 20091013 NORMAL SO NORMAL SB 3 3**	**SB-240D D-SB-240RED-5 20091013 NORMAL SO NORMAL SB 5 5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	3500	1 U	13	41	2000
DIBENZO(A,H)ANTHRACENE	22	15	C	**440**	1.5 U	1.6 U	1.5 U	**1000**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**1700**	1.7 U	8.8	22	**3200**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		19240	0 U	65.8	211	17900
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240D D-SB-240RED-7 20091013 NORMAL SO NORMAL SB 7 7**	**SB-240D D-SB-240RED-9 20091013 NORMAL SO NORMAL SB 9 9**
VOLATILES (UG/KG)					
1,1-DICHLOROETHENE	390000	24000	N	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA
ACETONE	7000000	6100000	N	NA	NA
BENZENE	12000	1100	C	NA	NA
BROMOMETHANE	11000	730	N	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA
TOLUENE	630000	500000	N	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA
SEMIVOLATILES (UG/KG)					
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA
CARBAZOLE	32000	NC		NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA
PHENOL	2300000	1800000	N	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	14.1	**809**
BAP EQUIVALENT-POS	22	15	C	13.2	**809**
BENZO(A)ANTHRACENE	220	150	C	8.8	**410**
BENZO(A)PYRENE	22	15	C	11	**560**
BENZO(B)FLUORANTHENE	220	150	C	13	**610**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	230
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA
C1-FLUORENES	NC	NC		NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C2-FLUORENES	NC	NC		NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C3-FLUORENES	NC	NC		NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240D D-SB-240RED-7 20091013 NORMAL SO NORMAL SB 7 7**	**SB-240D D-SB-240RED-9 20091013 NORMAL SO NORMAL SB 9 9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)					
CHRYSENE	22000	15000	C	9.7	420
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	**110**
FLUORANTHENE	310000	230000	N	NA	NA
FLUORENE	310000	230000	N	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	**340**
NAPHTHALENE	160000	3600	C	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA
PYRENE	230000	170000	N	NA	NA
TOTAL PAHS	NC	NC		42.5	2680
PESTICIDES/PCBS (UG/KG)					
4,4'-DDE	1900	1400	C	NA	NA
AROCLOR-1260	320	220	C	NA	NA
BETA-BHC	350	270	C	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA
METALS (MG/KG)					
ANTIMONY	3.1	3.1	N	NA	NA
ARSENIC	0.43	0.39	C	NA	NA
BARIUM	1600	1500	N	NA	NA
BERYLLIUM	16	16	N	NA	NA
CADMIUM	3.9	7	N	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA
COBALT	NC	2.3	N	NA	NA
COPPER	310	310	N	NA	NA
IRON	5500	5500	N	NA	NA
LEAD	400	400		NA	NA
MANGANESE	160	180	N	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA
MOLYBDENUM	NC	39	N	NA	NA
NICKEL	160	150	N	NA	NA
SELENIUM	39	39	N	NA	NA
SILVER	39	39	N	NA	NA
THALLIUM	0.55	NC		NA	NA
VANADIUM	7.8	39	N[13]	NA	NA
ZINC	2300	2300	N	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	230000	NC		NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NC	NC		NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)	780	780	N	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6
BOTTOM DEPTH				10	3	4	5	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	**61.8**	**21.5**	**20.4**	**32.2**
BAP EQUIVALENT-POS	22	15	C	1.6 U	**60.9**	**20.7**	**19.6**	**31.4**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	29	11	11	22
BENZO(A)PYRENE	22	15	C	1.6 U	**50**	**17**	**16**	**24**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	48	15	12	27
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	18	2.1 U	12	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6
BOTTOM DEPTH				10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	39	12	12	28
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	30	11	12	23
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	214	66	75	144
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243 D-SB-243RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-243 D-SB-243RE-8 20090915 ORIG SO NORMAL SB 8 8	SB-243 D-SB-243RE-8-AVG 20090915 AVG SO NORMAL SB 8 8	SB-243 D-SB-243RE-8-D 20090915 DUP SO NORMAL SB 8 8	SB-243 D-SB-243RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**15.3**	1.6 U	2.5	4.2	1.7 U
BAP EQUIVALENT-POS	22	15	C	14.4	1.6 U	1.6	2.3	1.7 U
BENZO(A)ANTHRACENE	220	150	C	10	1.2 UJ	5.8	11 J	1.2 U
BENZO(A)PYRENE	22	15	C	12	1.6 U	1.7 U	1.8 U	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.5 UJ	6.375	12 J	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.25 U	2.4 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-7	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	8	8	8	9
BOTTOM DEPTH				7	8	8	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	12	1.1 UJ	5.775	11 J	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.7 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.95 U	2.1 U	2 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		48	0 U	17	34	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243A D-SB-243REA-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243B D-SB-243REB-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243C D-SB-243REC-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243D D-SB-243RED-4 20091012 ORIG SO NORMAL SB 4 4	SB-243D D-SB-243RED-4-AVG 20091012 AVG SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**85.9**	2.6	1.7 U	**25.6**	**21.6**
BAP EQUIVALENT-POS	22	15	C	**85.9**	0.86	1.7 U	**24.8**	**20.8**
BENZO(A)ANTHRACENE	220	150	C	50	1.2 U	1.2 U	20 J	15
BENZO(A)PYRENE	22	15	C	**56**	1.6 U	1.7 U	**19**	**16.5**
BENZO(B)FLUORANTHENE	220	150	C	95	8.6	1.5 U	21	19.5
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	28	2.1 U	2.2 U	10	5.5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-243A** **D-SB-243REA-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243B** **D-SB-243REB-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243C** **D-SB-243REC-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243D** **D-SB-243RED-4** **20091012** **ORIG** **SO** **NORMAL** **SB** **4** **4**	**SB-243D** **D-SB-243RED-4-AVG** **20091012** **AVG** **SO** **NORMAL** **SB** **4** **4**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)									
CHRYSENE	22000	15000	C	74	1.1 U	1.1 U	20	18
DIBENZO(A,H)ANTHRACENE	22	15	C	11	1.6 U	1.7 U	1.6 U	1.55 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	1.8 U	1.9 U	16 J	8.45
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		354	8.6	0 U	106	82
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243D	SB-244	SB-244	SB-245	SB-245
SAMPLE ID				D-SB-243RED-4-D	SB-244-05	SB-244-10	SB-245-05	SB-245-10
SAMPLE DATE				20091012	20050607	20050607	20050607	20050607
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	10	5	10
BOTTOM DEPTH				4	5	10	5	10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**17.7**	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	**16.8**	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	10 J	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	14	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	18	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243D	SB-244	SB-244	SB-245	SB-245
SAMPLE ID				D-SB-243RED-4-D	SB-244-05	SB-244-10	SB-245-05	SB-245-10
SAMPLE DATE				20091012	20050607	20050607	20050607	20050607
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	10	5	10
BOTTOM DEPTH				4	5	10	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	16	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 UJ	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		58	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	38 U	38 U	39 U	38 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-246** **SB-246-05** **20050607** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-246** **SB-246-10** **20050607** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-247** **SB-247-05** **20050607** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-247** **SB-247-10** **20050607** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-248** **SB-248-05** **20050607** **NORMAL** **SO** **NORMAL** **SB** **5** **5**
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-246	SB-246	SB-247	SB-247	SB-248
SAMPLE ID				SB-246-05	SB-246-10	SB-247-05	SB-247-10	SB-248-05
SAMPLE DATE				20050607	20050607	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	38 U	40 U	40 U	42 U	40 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	0.7	1	0.8
ARSENIC	0.43	0.39	C	NA	NA	**4**	0.8 U	**6**
BARIUM	1600	1500	N	NA	NA	30	24	31
BERYLLIUM	16	16	N	NA	NA	2.5	1.3	1.8
CADMIUM	3.9	7	N	NA	NA	0.2	0.4	0.1
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	22.1	20.4	24.6
COBALT	NC	2.3	N	NA	NA	**10.7**	**6.2**	**11.4**
COPPER	310	310	N	NA	NA	21	34	21
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	18	7	9
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.1 K	0.002 U	0.06 K
MOLYBDENUM	NC	39	N	NA	NA	0.5 U	0.6 U	0.6 B
NICKEL	160	150	N	NA	NA	30	12	13
SELENIUM	39	39	N	NA	NA	2	4	5
SILVER	39	39	N	NA	NA	0.05 U	0.06 U	0.06 U
THALLIUM	0.55	NC		NA	NA	1 U	1 U	1 U
VANADIUM	7.8	39	N[13]	NA	NA	**33**	**28.4**	**40.3**
ZINC	2300	2300	N	NA	NA	57	83	65
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	0.37 UL	NA	0.36 UL
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	0.31 K	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID				SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE				20050607	20050607	20050607	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	2	5
BOTTOM DEPTH				10	5	10	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	NA	NA	NA	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID				SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE				20050607	20050607	20050607	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	2	5
BOTTOM DEPTH				10	5	10	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	38 U	40 U	39 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 U	0.4	0.4 U	NA	NA
ARSENIC	0.43	0.39	C	**8**	3 B	**7**	NA	NA
BARIUM	1600	1500	N	13	42	17	NA	NA
BERYLLIUM	16	16	N	2.5	2.7	2.7	NA	NA
CADMIUM	3.9	7	N	0.1	0.3	0.2	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	37.2	18	49.3	NA	NA
COBALT	NC	2.3	N	**30.1**	**19.6**	**3.4**	NA	NA
COPPER	310	310	N	16	20	7	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		6	13	18	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.002 U	0.4 K	0.002 U	0.02 UL	0.029 L
MOLYBDENUM	NC	39	N	0.5 B	0.6 U	0.9 B	NA	NA
NICKEL	160	150	N	52	37	12	NA	NA
SELENIUM	39	39	N	4	4	5	NA	NA
SILVER	39	39	N	0.05 U	0.06 U	0.06 U	NA	NA
THALLIUM	0.55	NC		1 U	1 U	1 U	NA	NA
VANADIUM	7.8	39	N[13]	**51**	**24.5**	**90.5**	NA	NA
ZINC	2300	2300	N	39	137	10	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	85.3	88.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.35 UL	NA	0.35 UL	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	0.474 K	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-318** **SB-318-0809** **20071031** **NORMAL** **SO** **NORMAL** **SB** **8** **9**	**SB-319** **SB-319-0203** **20071031** **NORMAL** **SO** **NORMAL** **SB** **2** **3**	**SB-319** **SB-319-0506** **20071031** **NORMAL** **SO** **NORMAL** **SB** **5** **6**	**SB-319** **SB-319-0809** **20071031** **NORMAL** **SO** **NORMAL** **SB** **8** **9**	**SB-320** **SB-320-0203** **20071031** **NORMAL** **SO** **NORMAL** **SB** **2** **3**
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	15	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	15	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	15 J	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-318	SB-319	SB-319	SB-319	SB-320
SAMPLE ID				SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	15	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.055 L	0.043 L	0.024 L	0.026 L	0.028 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		85.2	89.3	87.9	85.1	88.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-320 SB-320-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-320 SB-320-0809 20071031 NORMAL SO NORMAL SB 8 9	SB-321 SB-321-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-321 SB-321-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-321 SB-321-0809 20071031 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-320	SB-320	SB-321	SB-321	SB-321
SAMPLE ID				SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	940	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.035 L	0.06 L	0.02 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		88.9	86.9	89.2	85.4	85
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-322 SB-322-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-322 SB-322-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-322 SB-322-0809 20071031 NORMAL SO NORMAL SB 8 9	SB-323 SB-323-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-323 SB-323-0506 20071031 NORMAL SO NORMAL SB 5 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	13	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-322	SB-322	SB-322	SB-323	SB-323
SAMPLE ID				SB-322-0203	SB-322-0506	SB-322-0809	SB-323-0203	SB-323-0506
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.035 L	0.019 UL	0.019 UL	0.019 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		85.5	86.8	86.5	89.6	86.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-323	SB-324	SB-324	SB-324	SB-325
SAMPLE ID				SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-323	SB-324	SB-324	SB-324	SB-325
SAMPLE ID				SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	72
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.057 L	0.036 L	0.031 L	0.034 L	0.057 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		83.1	89.6	87.5	87	88.2
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-325	SB-325	SB-326	SB-326	SB-326
SAMPLE ID				SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506	SB-326-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**25**	1.5 U	**110**
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**25**	1.5 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**25 J**	1.5 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-325	SB-325	SB-326	SB-326	SB-326
SAMPLE ID				SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506	SB-326-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	25	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.02 UL	0.093 L	0.021 L	0.064 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		89.2	84.6	88	88.8	84.2
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID				SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**130**	380 U	390 U	**170**	400 U
BAP EQUIVALENT-POS	22	15	C	**130**	380 U	390 U	**170**	400 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**130 J**	380 U	390 U	**170 J**	400 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID				SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		130	0 U	0 U	170	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.27	0.029 B	0.02 B	0.33	0.023 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.8	85.9	84.6	86.9	82.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-328 SB-328-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-329 SB-329-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-329 SB-329-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-329 SB-329-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-330 SB-330-0203 20071101 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**35**	**27**	410 U	390 U	**110**
BAP EQUIVALENT-POS	22	15	C	**35**	**27**	410 U	390 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**35 J**	**27 J**	410 U	390 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-328	SB-329	SB-329	SB-329	SB-330
SAMPLE ID				SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		35	27	0 U	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.025 B	0.031 B	0.041 B	0.025 B	0.041 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.2	82.1	80.1	84.1	82.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-330	SB-330	SB-331	SB-331	SB-331
SAMPLE ID				SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**110**	380 U	**20**	390 U	400 U
BAP EQUIVALENT-POS	22	15	C	**110**	380 U	**20**	390 U	400 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**110 J**	380 U	**20 J**	390 U	400 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-330	SB-330	SB-331	SB-331	SB-331
SAMPLE ID				SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		110	0 U	20	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.1 B	0.035 B	0.059 B	0.035 B	0.04 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		80.1	86.7	86.1	84.9	82.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-332	SB-332	SB-332	SB-333	SB-333
SAMPLE ID				SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**38**	410 U	**64**	410 U	380 U
BAP EQUIVALENT-POS	22	15	C	**38**	410 U	**64**	410 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**38 J**	410 U	**64 J**	410 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-332	SB-332	SB-332	SB-333	SB-333
SAMPLE ID				SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		38	0 U	64	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.064 B	0.034 B	0.035 B	0.062 B	0.036 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		86.1	80.8	82.3	81	86.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-333	SB-334	SB-334	SB-334	SB-335
SAMPLE ID				SB-333-0809	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	380 U	**88**	**64**	**30**	**20**
BAP EQUIVALENT-POS	22	15	C	380 U	**88**	**64**	**30**	**20**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	**88 J**	**64 J**	**30 J**	**20 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-333** **SB-333-0809** **20071101** **NORMAL** **SO** **NORMAL** **SB** **8** **9**	**SB-334** **SB-334-0203** **20071101** **NORMAL** **SO** **NORMAL** **SB** **2** **3**	**SB-334** **SB-334-0506** **20071101** **NORMAL** **SO** **NORMAL** **SB** **5** **6**	**SB-334** **SB-334-0809** **20071101** **NORMAL** **SO** **NORMAL** **SB** **8** **9**	**SB-335** **SB-335-0203** **20071101** **NORMAL** **SO** **NORMAL** **SB** **2** **3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	64	30	20
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.025 B	0.38	0.07 B	0.061 B	0.3
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		86.6	86.3	80.7	78.4	83.5
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-335 SB-335-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-335 SB-335-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-336 SB-336-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-336 SB-336-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-336 SB-336-0809 20071101 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	400 U	380 U	420 U	**24**
BAP EQUIVALENT-POS	22	15	C	13	400 U	380 U	420 U	**24**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	400 U	380 U	420 U	**24 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-335	SB-335	SB-336	SB-336	SB-336
SAMPLE ID				SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	0 U	0 U	0 U	24
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.06 B	0.027 B	0.066 B	0.04 B	0.35
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.6	83.2	87.3	79.2	81.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID				SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	**700**	4200 U	**40**	**50**
BAP EQUIVALENT-POS	22	15	C	13	**700**	4200 U	**40**	**50**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	**700 J**	4200 U	**40 J**	**50 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID				SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	700	0 U	40	50
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.4	0.093 B	0.82	0.42	0.042 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.8	80.3	79.4	82.4	81.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-338 SB-338-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-339 SB-339-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-339 SB-339-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-339 SB-339-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-340 SB-340-0203 20071101 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	400 U	14	1.6 U	1.5 U	**110**
BAP EQUIVALENT-POS	22	15	C	400 U	14	1.6 U	1.5 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	14 J	1.6 U	1.5 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-338	SB-339	SB-339	SB-339	SB-340
SAMPLE ID				SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	14	0 U	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.055 B	0.13 B	0.22 J	0.025 B	0.11 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		81.8	88.4	80.2	86.7	87.3
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-340 SB-340-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-340 SB-340-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-341 SB-341-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-341 SB-341-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-341 SB-341-0809 20071101 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**30**	1.7 U	**23**	**25**	**38**
BAP EQUIVALENT-POS	22	15	C	**30**	1.7 U	**23**	**25**	**38**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**30 J**	1.7 U	**23 J**	**25 J**	**38 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-340	SB-340	SB-341	SB-341	SB-341
SAMPLE ID				SB-340-0506	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		30	0 U	23	25	38
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.39 L	0.042 B	0.073 B	0.29 L	0.31 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.3	77.7	85.3	77.8	66.1
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-342	SB-342	SB-342	SB-343	SB-343
SAMPLE ID				SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**78**	**17**	2.1 U	11	1.7 U
BAP EQUIVALENT-POS	22	15	C	**78**	**17**	2.1 U	11	1.7 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**78 J**	**17 J**	2.1 U	11 J	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-342	SB-342	SB-342	SB-343	SB-343
SAMPLE ID				SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		78	17	0 U	11	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.19 J	0.84 L	0.043 B	0.15 B	0.19 J
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.1	73.7	62.5	79.6	75.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-343	SB-344	SB-344	SB-344
SAMPLE ID				SB-343-0809	SB-344-0203	SB-344-0506	SB-344-0809
SAMPLE DATE				20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				8	2	5	8
BOTTOM DEPTH				9	3	6	9
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-343** **SB-343-0809** **20071101** **NORMAL** **SO** **NORMAL** **SB** **8** **9**	**SB-344** **SB-344-0203** **20071101** **NORMAL** **SO** **NORMAL** **SB** **2** **3**	**SB-344** **SB-344-0506** **20071101** **NORMAL** **SO** **NORMAL** **SB** **5** **6**	**SB-344** **SB-344-0809** **20071101** **NORMAL** **SO** **NORMAL** **SB** **8** **9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)							
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDE	1900	1400	C	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.034 B	0.14 B	0.034 B	0.052 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		79.4	81.3	80.1	73.4
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1 D-TP-1-1-4-6 20100920 NORMAL SO NORMAL SB 4 6	D-TP-1 D-TP-1-2-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-1 D-TP-1-3-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-1 D-TP-1-4-4-6 20100920 NORMAL SO NORMAL SB 4 6	D-TP-1 D-TP-1-5-4-6 20100920 NORMAL SO NORMAL SB 4 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	3.8 U	3.9 U	280	3.9 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	3.8 U	3.9 U	420	8	3.7 U
ACENAPHTHENE	470000	340000	N	3.8 U	3.9 U	69	3.9 U	3.7 U
ACENAPHTHYLENE	470000	340000	N[6]	3.8 U	3.9 U	50	9.1	3.7 U
ANTHRACENE	2300000	1700000	N	3.8 U	3.9 U	52	11	3.7 U
BAP EQUIVALENT-HALFND	22	15	C	3.8 U	3.9 U	**66.8**	**71.6**	3.7 U
BAP EQUIVALENT-POS	22	15	C	3.8 U	3.9 U	**64.8**	**69.6**	3.7 U
BENZO(A)ANTHRACENE	220	150	C	3.8 U	3.9 U	29	40	3.7 U
BENZO(A)PYRENE	22	15	C	3.8 U	3.9 U	**54 J**	**54 J**	3.7 U
BENZO(B)FLUORANTHENE	220	150	C	3.8 U	3.9 U	39	70	3.7 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.8 U	13	41	29	3.7 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.8 U	3.9 U	19	35	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C1-FLUORANTHENES/PYRENES	NC	NC		77 U	NA	NA	NA	75 U
C1-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C2-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C2-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C3-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C3-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C4-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID				D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6
SAMPLE DATE				20100920	20100920	20100920	20100920	20100920
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	8	8	4	4
BOTTOM DEPTH				6	10	10	6	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.3 U	1.3 U	44	51	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 U	3.9 U	4 U	3.9 U	3.7 U
FLUORANTHENE	310000	230000	N	3.8 U	3.9 U	60	110	3.7 U
FLUORENE	310000	230000	N	3.8 U	3.9 U	100	3.9 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.8 U	3.9 U	38 J	42 J	3.7 U
NAPHTHALENE	160000	3600	C	3.8 U	3.9 U	320	9.5	3.7 U
PHENANTHRENE	2300000	170000	N[7]	3.8 U	3.9 U	200	62	3.7 U
PYRENE	230000	170000	N	3.8 U	13	95	86	3.7 U
TOTAL PAHS	NC	NC		0 U	26	1630	616.6	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1 D-TP-1-6-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-2 D-TP-2-1-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-2 D-TP-2-2-6-7 20100920 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-3-6-7 20100920 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-4-8-10 20100921 NORMAL SO NORMAL SB 8 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	300	NA	610	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	320	NA	600	3.8 U
ACENAPHTHENE	470000	340000	N	4 U	88	NA	170	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	95	340	NA	420	3.8 U
ANTHRACENE	2300000	1700000	N	38	370	NA	490	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	**178**	**507**	NA	**684**	3.8 U
BAP EQUIVALENT-POS	22	15	C	**177**	**503**	NA	**680**	3.8 U
BENZO(A)ANTHRACENE	220	150	C	4 U	**440**	NA	**650**	3.8 U
BENZO(A)PYRENE	22	15	C	**120 J**	**400 J**	NA	**540 J**	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	110	**380**	NA	**480**	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	110	230	NA	300	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	35	130	NA	210	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	3300 J	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	5900 J	NA	NA
C1-FLUORENES	NC	NC		NA	NA	1100 J	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	6900 J	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	1500 J	NA	NA
C2-FLUORENES	NC	NC		NA	NA	870 J	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	4100 J	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	3900 J	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	520 J	NA	NA
C3-FLUORENES	NC	NC		NA	NA	600 J	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	2800 J	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	1700 J	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	1300 J	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	520 J	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID				D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10
SAMPLE DATE				20100920	20100920	20100920	20100920	20100921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	8	6	6	8
BOTTOM DEPTH				10	10	7	7	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	79	480	NA	660	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	38 J	8.2 U	NA	8 U	3.8 U
FLUORANTHENE	310000	230000	N	82	990	NA	1500	3.8 U
FLUORENE	310000	230000	N	4 U	380	NA	590	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	79 J	190 J	NA	240 J	3.8 U
NAPHTHALENE	160000	3600	C	8.9	280	NA	570	3.8 U
PHENANTHRENE	2300000	170000	N[7]	16	1700	NA	2700	3.8 U
PYRENE	230000	170000	N	140	1300	NA	2100	3.8 U
TOTAL PAHS	NC	NC		950.9	8018	NA	12220	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-2 D-TP-2-5-6-7 20100921 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-6-6-7 20100921 NORMAL SO NORMAL SB 6 7	SB-790 D-SB-790-03 20100908 NORMAL SO NORMAL SB 3 3	SB-790 D-SB-790-05 20100908 NORMAL SO NORMAL SB 5 5	SB-790 D-SB-790-07 20100908 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	0.44 U	0.42 U	0.44 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	0.14 U	0.14 U	0.19 J
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	0.55 U	0.52 U	0.55 U
2-BUTANONE	4700000	2800000	N	NA	NA	2 J	1.9 J	3.6 J
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	0.18 U	0.17 U	0.18 U
ACETONE	7000000	6100000	N	NA	NA	29 B	44 B	28 B
BENZENE	12000	1100	C	NA	NA	0.2 U	0.19 U	0.19 U
BROMOMETHANE	11000	730	N	NA	NA	0.46 U	0.44 U	0.45 U
CARBON DISULFIDE	780000	82000	N	NA	NA	0.37 U	0.35 U	0.67 J
ETHYLBENZENE	780000	5400	C	NA	NA	0.22 U	0.21 U	0.22 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	0.14 U	0.13 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	1 U	0.97 U	1 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	0.57 U	0.54 U	0.56 U
NAPHTHALENE	160000	3600	C	NA	NA	2.1 B	2.2 B	2.9 B
N-PROPYLBENZENE	NC	340000	N	NA	NA	0.34 U	0.32 U	0.34 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	0.3 U	0.28 U	0.29 U
TOLUENE	630000	500000	N	NA	NA	0.23 U	0.22 U	0.23 U
TOTAL XYLENES	1600000	63000	N	NA	NA	0.57 U	0.54 U	0.56 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	22 U	90 U	23 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	12 U	47 U	12 U
CARBAZOLE	32000	NC		NA	NA	31 U	130 U	33 U
DIBENZOFURAN	7800	7800	N	NA	NA	14 J	58 J	29 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	20 U	81 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	17 U	71 U	18 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	31 U	130 U	33 U
PHENOL	2300000	1800000	N	NA	NA	31 U	130 U	33 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	NA	8	16 U	64
ACENAPHTHENE	470000	340000	N	4.1 U	NA	34	140	20
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	NA	3.8 U	16 U	4 U
ANTHRACENE	2300000	1700000	N	4.1 U	NA	72	620	28
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	NA	**224**	**1353**	**72.7**
BAP EQUIVALENT-POS	22	15	C	4.1 U	NA	**224**	**1345**	**70.7**
BENZO(A)ANTHRACENE	220	150	C	4.1 U	NA	**160**	**1500**	48
BENZO(A)PYRENE	22	15	C	4.1 U	NA	**140**	**1000**	**53**
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	NA	**180**	**1400**	82
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	NA	77	490	34
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	NA	72	570	40
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	84 U	NA	NA	NA
C1-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C2-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-2	D-TP-2	SB-790	SB-790	SB-790
SAMPLE ID				D-TP-2-5-6-7	D-TP-2-6-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07
SAMPLE DATE				20100921	20100921	20100908	20100908	20100908
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	6	3	5	7
BOTTOM DEPTH				7	7	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	NA	140	1500	82
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	NA	**41**	16 U	4 U
FLUORANTHENE	310000	230000	N	4.1 U	NA	320	3700	110
FLUORENE	310000	230000	N	4.1 U	NA	30	180	29
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	NA	82	**480**	42
NAPHTHALENE	160000	3600	C	4.1 U	NA	13	34	45
PHENANTHRENE	2300000	170000	N[7]	4.1 U	NA	250	2100	120
PYRENE	230000	170000	N	4.1 U	NA	240	2900	87
TOTAL PAHS	NC	NC		0 U	NA	1859	16614	884
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	0.45 U	34 J	0.47 U
AROCLOR-1260	320	220	C	NA	NA	20 U	**240**	21 U
BETA-BHC	350	270	C	NA	NA	1.3 U	26 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	**240**	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	0.2 B	0.2 B	0.22 J
ARSENIC	0.43	0.39	C	NA	NA	**4.5**	**4.9**	**6.3**
BARIUM	1600	1500	N	NA	NA	33.8	31	27.8
BERYLLIUM	16	16	N	NA	NA	2.2	2	2.6
CADMIUM	3.9	7	N	NA	NA	0.12	0.4	0.12 L
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	19.5	18.3	18.9
COBALT	NC	2.3	N	NA	NA	**13.7**	**14.3**	**24.5**
COPPER	310	310	N	NA	NA	23.2	22.3	23.4
IRON	5500	5500	N	NA	NA	**21900**	**20200**	**22200**
LEAD	400	400		NA	NA	16.5	30.9	20.6
MANGANESE	160	180	N	NA	NA	84.9	112	78.4
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.36	0.21	0.63
MOLYBDENUM	NC	39	N	NA	NA	0.39	0.49	0.35
NICKEL	160	150	N	NA	NA	28.4	31	41.4
SELENIUM	39	39	N	NA	NA	2.3	2.4	3.5
SILVER	39	39	N	NA	NA	0.24 K	0.25 K	0.32 K
THALLIUM	0.55	NC		NA	NA	0.042 J	0.053 J	0.051 J
VANADIUM	7.8	39	N[13]	NA	NA	**29.6**	**27.5**	**28**
ZINC	2300	2300	N	NA	NA	61.1	87.5	77.9
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	12000	63000	230000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	53 U	55 U	56 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	0.31 U	**0.57 J**	0.33 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-790 D-SB-790-09 20100908 NORMAL SO NORMAL SB 9 9	SB-791 D-SB-791-03 20100909 NORMAL SO NORMAL SB 3 3	SB-791 D-SB-791-05 20100909 NORMAL SO NORMAL SB 5 5	SB-791 D-SB-791-07 20100909 NORMAL SO NORMAL SB 7 7	SB-791 D-SB-791-09 20100909 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.46 U	0.47 U	0.56 U	0.44 U	0.52 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.15 U	0.15 U	0.18 U	0.15 U	0.17 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.58 U	0.58 U	0.7 U	0.55 U	0.65 U
2-BUTANONE	4700000	2800000	N	1.3 U	4.9 J	14	3.1 J	1.4 U
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.19 U	0.23 U	0.18 U	0.21 U
ACETONE	7000000	6100000	N	11 B	49 B	400 J	220 B	68 B
BENZENE	12000	1100	C	0.21 U	0.21 U	0.25 U	0.2 U	0.23 U
BROMOMETHANE	11000	730	N	0.48 U	0.48 U	0.58 U	0.46 U	0.54 U
CARBON DISULFIDE	780000	82000	N	0.39 U	0.99 B	1.6 B	0.86 B	0.94 B
ETHYLBENZENE	780000	5400	C	0.23 U	0.23 U	0.28 U	0.22 U	0.26 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.14 U	0.17 U	0.14 U	0.16 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1.1 U	1.3 U	1 U	1.2 U
METHYLENE CHLORIDE	85000	11000	C	0.6 U	0.84 B	1.1 B	0.9 B	0.98 B
NAPHTHALENE	160000	3600	C	0.17 U	1.6 B	1.1 B	0.75 B	0.93 B
N-PROPYLBENZENE	NC	340000	N	0.36 U	0.36 U	0.43 U	0.34 U	0.4 U
O-XYLENE	1600000 [4]	380000	N	0.31 U	0.31 U	0.38 U	0.3 U	0.35 U
TOLUENE	630000	500000	N	0.24 U	0.24 U	0.29 U	0.23 U	0.27 U
TOTAL XYLENES	1600000	63000	N	0.6 U	0.6 U	0.72 U	0.57 U	0.67 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 U	23 U	52 J	23 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000	C	13 U	12 U	13 U	12 U	11 U
CARBAZOLE	32000	NC		34 U	33 U	34 U	32 U	31 U
DIBENZOFURAN	7800	7800	N	4.2 U	4 U	4.2 U	3.9 U	3.8 U
DIMETHYL PHTHALATE	NC	NC		22 U	21 U	22 U	20 U	19 U
DI-N-BUTYL PHTHALATE	780000	610000	N	19 U	18 U	19 U	18 U	17 U
DI-N-OCTYL PHTHALATE	NC	NC		34 U	33 U	34 U	32 U	31 U
PHENOL	2300000	1800000	N	34 U	33 U	34 U	32 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.2 U	8.6	4.2 U	3.9 U	3.8 U
ACENAPHTHENE	470000	340000	N	4.2 U	17	4.2 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	4.2 U	4 U	4.2 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	4.2 U	16	4.2 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	4.2 U	**60.2**	4.2 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15	C	4.2 U	**58.2**	4.2 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150	C	4.2 U	46	4.2 U	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	4.2 U	**44**	4.2 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	4.2 U	65	4.2 U	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.2 U	33	4.2 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.2 U	24	4.2 U	3.9 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-790	SB-791	SB-791	SB-791	SB-791
SAMPLE ID				D-SB-790-09	D-SB-791-03	D-SB-791-05	D-SB-791-07	D-SB-791-09
SAMPLE DATE				20100908	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9
BOTTOM DEPTH				9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	51	1.4 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.2 U	4 U	4.2 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	4.2 U	95	4.2 U	3.9 U	3.8 U
FLUORENE	310000	230000	N	4.2 U	15	4.2 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.2 U	28	4.2 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	4.2 U	13	4.2 U	3.9 U	3.8 U
PHENANTHRENE	2300000	170000	N[7]	4.2 U	76	4.2 U	3.9 U	3.8 U
PYRENE	230000	170000	N	4.2 U	75	4.2 U	3.9 U	3.8 U
TOTAL PAHS	NC	NC		0 U	606.6	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.5 U	0.94 U	0.5 U	0.46 U	0.45 U
AROCLOR-1260	320	220	C	22 U	21 U	22 U	20 U	19 U
BETA-BHC	350	270	C	1.4 U	2.7 U	1.4 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.23 J	0.26 B	0.14 B	0.3 B	0.027 UL
ARSENIC	0.43	0.39	C	**4.1**	**5.4 L**	**3.7 L**	**7.9 L**	**5 L**
BARIUM	1600	1500	N	19.8	20.6	14.9	12.6	7.4
BERYLLIUM	16	16	N	2.5	3.1 J	1.6 J	3.4 J	0.82 J
CADMIUM	3.9	7	N	0.044 J	0.027 B	0.022 B	0.019 B	0.017 B
CHROMIUM	12000 [10]	12000	N[10]	23.7	23.8	16.9	31	2.2
COBALT	NC	2.3	N	**4.6**	**10.9**	**4.3**	**10.3**	**3.4**
COPPER	310	310	N	30.1 L	15.1	22	24.7	4.7
IRON	5500	5500	N	**33200**	**37400**	**22100**	**50200**	1420
LEAD	400	400		9.3	13.4	5.5	6.7	5.6
MANGANESE	160	180	N	62.4	90.1 J	28.4 J	**161 J**	7.2 J
MERCURY	2.3 [11]	2.3	N[12]	0.019 U	0.018 U	0.019 U	0.018 U	0.017 U
MOLYBDENUM	NC	39	N	0.46	0.52	0.63	0.8	0.072 U
NICKEL	160	150	N	15.3	40.7	10.7	36.2	5.3
SELENIUM	39	39	N	1 J	1.4 L	0.98 L	2.4 L	7.2 L
SILVER	39	39	N	0.024 B	0.019 U	0.024 B	0.019 U	0.018 U
THALLIUM	0.55	NC		0.12 B	0.082 J	0.11 J	0.079 J	0.064 J
VANADIUM	7.8	39	N[13]	**42**	**37.5**	**30.9**	**51.2**	2.1
ZINC	2300	2300	N	39.2 J	40.1	31.6	41.3	8.7
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		9800 J	41000	22000	5400 J	3200 U
GASOLINE RANGE ORGANICS	230000	NC		59 U	56 U	59 U	55 U	53 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.55 J**	0.33 U	**0.9 J**	0.32 U	**0.39 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-792 D-SB-792-03 20100909 NORMAL SO NORMAL SB 3 3	SB-792 D-SB-792-05 20100909 NORMAL SO NORMAL SB 5 5	SB-792 D-SB-792-07 20100909 NORMAL SO NORMAL SB 7 7	SB-792 D-SB-792-09 20100909 NORMAL SO NORMAL SB 9 9	SB-793 D-SB-793-03 20100909 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.44 U	0.46 U	0.44 U	0.44 U	0.48 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.21 J	0.15 U	0.14 U	0.14 U	0.16 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.55 U	0.58 U	0.54 U	0.55 U	0.6 U
2-BUTANONE	4700000	2800000	N	52	3.7 J	1.6 J	1.2 U	22
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.19 U	0.18 U	0.18 U	0.19 U
ACETONE	7000000	6100000	N	240 J	160 B	18 B	310 J	100 B
BENZENE	12000	1100	C	0.19 U	0.21 U	0.19 U	0.19 U	0.21 U
BROMOMETHANE	11000	730	N	0.45 U	0.48 U	0.45 U	0.46 U	0.49 U
CARBON DISULFIDE	780000	82000	N	2 B	0.87 B	0.83 B	0.37 U	1.8 B
ETHYLBENZENE	780000	5400	C	0.22 U	0.23 U	0.22 U	0.22 U	0.24 U
ISOPROPYLBENZENE	780000	210000	N	0.13 U	0.14 U	0.13 U	0.13 U	0.15 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1 U	1.1 U	1 U	1 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.79 B	0.78 B	0.82 B	1 B	0.93 B
NAPHTHALENE	160000	3600	C	2.1 B	0.8 B	0.75 B	0.76 B	1.1 B
N-PROPYLBENZENE	NC	340000	N	0.34 U	0.36 U	0.34 U	0.34 U	0.37 U
O-XYLENE	1600000 [4]	380000	N	0.29 U	0.31 U	0.29 U	0.3 U	0.32 U
TOLUENE	630000	500000	N	0.71 J	0.24 U	0.41 J	0.23 U	0.25 U
TOTAL XYLENES	1600000	63000	N	0.56 U	0.6 U	0.56 U	0.57 U	0.61 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	22 U	23 U	23 U	22 U	30 J
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	12 U	12 U
CARBAZOLE	32000	NC		32 U	33 U	32 U	32 U	33 U
DIBENZOFURAN	7800	7800	N	3.9 U	4 U	3.9 U	3.9 U	4 U
DIMETHYL PHTHALATE	NC	NC		20 U	21 U	20 U	20 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	18 U	18 U	18 U	18 U
DI-N-OCTYL PHTHALATE	NC	NC		32 U	33 U	32 U	32 U	33 U
PHENOL	2300000	1800000	N	32 U	33 U	32 U	32 U	33 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
ACENAPHTHENE	470000	340000	N	8.2	4 U	3.9 U	3.9 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	4 U	3.9 U	3.9 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	22	15	C	5.1	4 U	3.9 U	3.9 U	**22.6**
BAP EQUIVALENT-POS	22	15	C	0.80	4 U	3.9 U	3.9 U	**20.6**
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4 U	3.9 U	3.9 U	17
BENZO(A)PYRENE	22	15	C	3.9 U	4 U	3.9 U	3.9 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	7.9	4 U	3.9 U	3.9 U	18
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4 U	3.9 U	3.9 U	10
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4 U	3.9 U	3.9 U	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-792	SB-792	SB-792	SB-792	SB-793
SAMPLE ID				D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	7.8	1.3 U	1.3 U	1.3 U	19
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4 U	3.9 U	3.9 U	4 U
FLUORANTHENE	310000	230000	N	11	4 U	3.9 U	3.9 U	36
FLUORENE	310000	230000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4 U	3.9 U	3.9 U	9.2
NAPHTHALENE	160000	3600	C	3.9 U	4 U	3.9 U	3.9 U	4 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	4 U	3.9 U	3.9 U	22
PYRENE	230000	170000	N	8.1	4 U	3.9 U	3.9 U	27
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	187.2
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.46 U	0.47 U	0.47 U	0.46 U	0.48 U
AROCLOR-1260	320	220	C	20 U	21 U	20 U	20 U	21 U
BETA-BHC	350	270	C	1.3 J	1.3 U	1.3 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.28 UL	0.23 B	0.21 B	0.22 B	0.3 B
ARSENIC	0.43	0.39	C	**5.4 L**	**4.4 L**	**2.9 L**	**3.8 L**	**5.6 L**
BARIUM	1600	1500	N	40.6	16.7	12.2	10.3	26.5
BERYLLIUM	16	16	N	1.5 J	1.9 J	1.7 J	2.7 J	2.2 J
CADMIUM	3.9	7	N	0.24 B	0.026 B	0.0093 UL	0.02 B	0.3 B
CHROMIUM	12000 [10]	12000	N[10]	19.6	22.3	17.9	24.8	20.1
COBALT	NC	2.3	N	**33**	**7**	**7.1**	**12.1**	**15.7**
COPPER	310	310	N	31.1	20.4	13	18.2	32.8
IRON	5500	5500	N	**18800**	**35700**	**27100**	**42300**	**25900**
LEAD	400	400		54.1	5.2	3.3	2.9	26.4
MANGANESE	160	180	N	88.8 J	53.1 J	40.2 J	30 J	69.5 J
MERCURY	2.3 [11]	2.3	N[12]	1.3	0.018 U	0.018 U	0.018 U	0.47
MOLYBDENUM	NC	39	N	0.53	0.65	0.57	0.74	0.49
NICKEL	160	150	N	37	18.7	19	30.1	34.2
SELENIUM	39	39	N	2 L	0.84 L	0.99 L	1.1 L	3 L
SILVER	39	39	N	1.9	0.019 U	0.019 U	0.019 U	0.37
THALLIUM	0.55	NC		0.15 U	0.099 J	0.064 J	0.06 J	0.069 J
VANADIUM	7.8	39	N[13]	**29**	**46**	**35.9**	**67.2**	**30.8**
ZINC	2300	2300	N	111	33.6	19	31.2	68.6
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		83000	8000 J	7800 J	4100 J	47000
GASOLINE RANGE ORGANICS	230000	NC		54 U	56 U	55 U	54 U	56 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	**0.56 J**	0.32 U	0.32 U	**0.42 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-793 D-SB-793-05 20100909 NORMAL SO NORMAL SB 5 5	SB-793 D-SB-793-07 20100909 NORMAL SO NORMAL SB 7 7	SB-793 D-SB-793-09 20100909 NORMAL SO NORMAL SB 9 9	SB-794 D-SB-794-03 20100909 NORMAL SO NORMAL SB 3 3	SB-794 D-SB-794-05 20100909 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.45 U	0.5 U	1.1 J	0.4 U	0.43 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.15 U	0.16 U	0.15 U	0.13 U	0.14 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.57 U	0.62 U	0.57 U	0.51 U	0.54 U
2-BUTANONE	4700000	2800000	N	1.2 U	5.1 J	1.2 U	3 J	6.8 J
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.2 U	0.18 U	0.16 U	0.17 U
ACETONE	7000000	6100000	N	29 B	190 B	5.5 U	31 B	62 B
BENZENE	12000	1100	C	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
BROMOMETHANE	11000	730	N	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
CARBON DISULFIDE	780000	82000	N	0.81 B	1 B	0.38 U	0.99 B	1 B
ETHYLBENZENE	780000	5400	C	0.23 U	0.25 U	0.23 U	0.2 U	0.22 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.15 U	0.14 U	0.12 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1 U	1.1 U	1 U	0.93 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.83 B	1.2 B	0.76 B	0.52 U	0.56 U
NAPHTHALENE	160000	3600	C	0.75 B	0.84 B	0.76 B	0.15 U	0.16 U
N-PROPYLBENZENE	NC	340000	N	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
O-XYLENE	1600000 [4]	380000	N	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
TOLUENE	630000	500000	N	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
TOTAL XYLENES	1600000	63000	N	0.59 U	0.64 U	0.58 U	0.52 U	0.56 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U	23 U	32 J	22 UJ	24 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	12 UJ	12 U
CARBAZOLE	32000	NC		33 U	33 U	32 U	32 UJ	34 U
DIBENZOFURAN	7800	7800	N	4.1 U	4 U	3.9 U	35 J	4.1 U
DIMETHYL PHTHALATE	NC	NC		21 U	21 U	20 U	20 UJ	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	18 U	18 U	18 UJ	19 U
DI-N-OCTYL PHTHALATE	NC	NC		33 U	33 U	32 U	32 UJ	34 U
PHENOL	2300000	1800000	N	33 U	33 U	32 U	32 UJ	34 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	4 U	3.9 U	59 J	4.1 U
ACENAPHTHENE	470000	340000	N	4.1 U	4 U	3.9 U	39 J	4.1 U
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
ANTHRACENE	2300000	1700000	N	4.1 U	4 U	3.9 U	48 J	4.1 U
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	4 U	3.9 U	**137**	4.1 U
BAP EQUIVALENT-POS	22	15	C	4.1 U	4 U	3.9 U	**135**	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4.1 U	4 U	3.9 U	110 J	4.1 U
BENZO(A)PYRENE	22	15	C	4.1 U	4 U	3.9 U	**100 J**	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	4 U	3.9 U	**160 J**	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	4 U	3.9 U	75 J	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	4 U	3.9 U	63 J	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-793 D-SB-793-05 20100909 NORMAL SO NORMAL SB 5 5	SB-793 D-SB-793-07 20100909 NORMAL SO NORMAL SB 7 7	SB-793 D-SB-793-09 20100909 NORMAL SO NORMAL SB 9 9	SB-794 D-SB-794-03 20100909 NORMAL SO NORMAL SB 3 3	SB-794 D-SB-794-05 20100909 NORMAL SO NORMAL SB 5 5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	1.3 U	1.3 U	130 J	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
FLUORANTHENE	310000	230000	N	4.1 U	4 U	3.9 U	210 J	4.1 U
FLUORENE	310000	230000	N	4.1 U	4 U	3.9 U	38 J	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	4 U	3.9 U	77 J	4.1 U
NAPHTHALENE	160000	3600	C	4.1 U	4 U	3.9 U	47 J	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4.1 U	4 U	3.9 U	190 J	4.1 U
PYRENE	230000	170000	N	4.1 U	4 U	3.9 U	170 J	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	1516	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	4.8 U	0.48 U	0.46 U	2.3 U	0.48 U
AROCLOR-1260	320	220	C	21 U	21 U	20 U	20 U	21 U
BETA-BHC	350	270	C	14 U	1.3 U	1.3 U	6.5 U	1.4 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.12 B	0.15 B	0.3 B	0.28 B	0.18 B
ARSENIC	0.43	0.39	C	**3.6 L**	**4.1 L**	**3.6 J**	**5.5 J**	**7 J**
BARIUM	1600	1500	N	15.6	10.7	15.7	40.2	11.3
BERYLLIUM	16	16	N	0.92 J	1.4 J	2.6 J	2.3 J	1 J
CADMIUM	3.9	7	N	0.0096 UL	0.0095 UL	0.028 B	0.2 B	0.02 B
CHROMIUM	12000 [10]	12000	N[10]	18.7	23.5	27.3 J	19.4 J	25.9 J
COBALT	NC	2.3	N	**5.3**	**4.7**	**18.2 J**	**30 J**	**4.4 J**
COPPER	310	310	N	21.5	26.2	27.8 J	27.7 J	23.1 J
IRON	5500	5500	N	**27600**	**29300**	**35600 J**	**30900 J**	**36000 J**
LEAD	400	400		4.7	3.7	4	33.3	4.8
MANGANESE	160	180	N	15.2 J	20.4 J	69.4 J	**326 J**	28.2 J
MERCURY	2.3 [11]	2.3	N[12]	0.018 U	0.018 U	0.018 U	0.7	0.019 U
MOLYBDENUM	NC	39	N	0.55	0.4	0.59	0.63	0.53
NICKEL	160	150	N	10.2	10.9	39.4 J	40.8 J	14 J
SELENIUM	39	39	N	0.73 L	0.81 L	1.3 L	1.8 L	0.49 J
SILVER	39	39	N	0.02 U	0.02 U	0.019 U	0.88	0.02 U
THALLIUM	0.55	NC		0.069 J	0.044 J	0.1 J	0.077 U	0.05 J
VANADIUM	7.8	39	N[13]	**41.9**	**39.1**	**46 J**	**29.9 J**	**48.7 J**
ZINC	2300	2300	N	20.3	17.5	43.3 L	94.1 L	21.7 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		7900 J	5300 J	7700 J	70000	8400 J
GASOLINE RANGE ORGANICS	230000	NC		57 U	56 U	55 U	54 U	57 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.33 U	**0.48 J**	0.32 U	0.32 U	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-794 D-SB-794-07 20100909 NORMAL SO NORMAL SB 7 7	SB-794 D-SB-794-09 20100909 NORMAL SO NORMAL SB 9 9	SB-795 D-SB-795-03 20100909 NORMAL SO NORMAL SB 3 3	SB-795 D-SB-795-05 20100909 NORMAL SO NORMAL SB 5 5	SB-795 D-SB-795-07 20100909 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.16 U	0.15 U	0.16 U	0.2 U	0.14 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.6 U	0.55 U	0.63 U	0.76 U	0.53 U
2-BUTANONE	4700000	2800000	N	1.7 J	1.2 U	1.9 J	15	2.2 J
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.18 U	0.2 U	0.24 U	0.17 U
ACETONE	7000000	6100000	N	15 B	5.4 U	9.2 B	70 B	15 B
BENZENE	12000	1100	C	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U
BROMOMETHANE	11000	730	N	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U
CARBON DISULFIDE	780000	82000	N	0.87 B	0.38 U	0.99 B	2 B	0.89 B
ETHYLBENZENE	780000	5400	C	0.24 U	0.22 U	0.25 U	0.3 U	0.21 U
ISOPROPYLBENZENE	780000	210000	N	0.15 U	0.14 U	0.15 U	0.19 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1 U	1.2 U	1.4 U	0.99 U
METHYLENE CHLORIDE	85000	11000	C	0.62 U	0.57 U	2.7 B	0.78 U	0.55 U
NAPHTHALENE	160000	3600	C	0.8 B	0.72 B	0.84 B	1 B	0.16 U
N-PROPYLBENZENE	NC	340000	N	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U
TOLUENE	630000	500000	N	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U
TOTAL XYLENES	1600000	63000	N	0.62 U	0.57 U	0.65 U	0.78 U	0.55 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 U	23 J	23 J	28 U	24 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	15 U	36 J
CARBAZOLE	32000	NC		34 U	31 U	33 U	40 U	34 U
DIBENZOFURAN	7800	7800	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
DIMETHYL PHTHALATE	NC	NC		21 U	20 U	21 U	25 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	19 U	17 U	18 U	22 U	19 U
DI-N-OCTYL PHTHALATE	NC	NC		34 U	31 U	33 U	40 U	34 U
PHENOL	2300000	1800000	N	34 U	31 U	33 U	40 U	34 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ACENAPHTHENE	470000	340000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ANTHRACENE	2300000	1700000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	3.8 U	**19.6**	7.3	4.1 U
BAP EQUIVALENT-POS	22	15	C	4.1 U	3.8 U	**17.0**	1.9	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BENZO(A)PYRENE	22	15	C	4.1 U	3.8 U	**17**	4.9 U	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	3.8 U	4 U	19	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-794	SB-794	SB-795	SB-795	SB-795
SAMPLE ID				D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7
BOTTOM DEPTH				7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
FLUORANTHENE	310000	230000	N	4.1 U	3.8 U	10	10	4.1 U
FLUORENE	310000	230000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
NAPHTHALENE	160000	3600	C	4.1 U	3.8 U	11	4.9 U	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4.1 U	3.8 U	9	4.9 U	4.1 U
PYRENE	230000	170000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	47	29	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.48 U	0.45 U	0.47 UJ	0.58 UJ	0.49 UJ
AROCLOR-1260	320	220	C	21 U	20 U	21 U	25 U	21 U
BETA-BHC	350	270	C	1.4 U	1.3 U	1.3 UJ	1.6 UJ	1.4 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 B	0.075 B	0.29 B	0.087 B	0.24 B
ARSENIC	0.43	0.39	C	**6.1 J**	**5.6 J**	**5.8 J**	**3.9 J**	**5.7 J**
BARIUM	1600	1500	N	8.1	11.6	25.3	20.5	23.7
BERYLLIUM	16	16	N	1.1 J	0.46 J	6.6 J	0.97 J	4.2 J
CADMIUM	3.9	7	N	0.0097 UL	0.009 UL	0.042 B	0.015 B	0.11 B
CHROMIUM	12000 [10]	12000	N[10]	29.7 J	8.1 J	25.6 J	16.7 J	20.9 J
COBALT	NC	2.3	N	**6 J**	**3 J**	**27.3 J**	**6.7 J**	**20.7 J**
COPPER	310	310	N	29.7 J	6.6 J	40.9 J	18.1 J	32.9 J
IRON	5500	5500	N	**46500 J**	4650 J	**39700 J**	**20800 J**	**37200 J**
LEAD	400	400		4.6	4.1	12.4	8.2	10.5
MANGANESE	160	180	N	44.9 J	5.9 J	110 J	28.1 J	74.5 J
MERCURY	2.3 [11]	2.3	N[12]	0.019 U	0.017 U	0.018 U	0.022 U	0.023 J
MOLYBDENUM	NC	39	N	0.57	0.073 U	0.45	0.86	0.39
NICKEL	160	150	N	16.7 J	4.7 J	53.2 J	13.3 J	42.5 J
SELENIUM	39	39	N	0.63 L	2.1 L	4.1 L	0.69 J	4.1 L
SILVER	39	39	N	0.02 U	0.018 U	0.028 B	0.024 U	0.034 B
THALLIUM	0.55	NC		0.036 J	0.11 J	0.079 J	0.084 J	0.09 J
VANADIUM	7.8	39	N[13]	**55 J**	**7.9 J**	**42.7 J**	**33.3 J**	**32.7 J**
ZINC	2300	2300	N	19.2 L	7 L	123 L	28.1 L	108 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		5100 J	3200 UJ	11000 J	33000	4200 J
GASOLINE RANGE ORGANICS	230000	NC		57 U	53 UJ	56 UJ	68 UJ	57 UJ
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.45 J**	**0.33 J**	**0.43 J**	**0.51 J**	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-795 D-SB-795-09 20100909 NORMAL SO NORMAL SB 9 9	SB-796 D-SB-796-03 20100910 NORMAL SO NORMAL SB 3 3	SB-796 D-SB-796-05 20100910 NORMAL SO NORMAL SB 5 5	SB-796 D-SB-796-07 20100910 NORMAL SO NORMAL SB 7 7	SB-796 D-SB-796-09 20100910 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.48 U	0.4 U	0.51 U	0.49 U	0.46 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.16 U	0.13 U	0.17 U	0.16 U	0.15 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.6 U	0.5 U	0.64 U	0.61 U	0.58 U
2-BUTANONE	4700000	2800000	N	1.3 U	2.7 J	8.1 J	1.3 U	1.3 J
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.16 U	0.21 U	0.2 U	0.19 U
ACETONE	7000000	6100000	N	5.8 U	35 B	88 B	16 B	6.2 B
BENZENE	12000	1100	C	0.21 U	0.18 U	0.23 U	0.22 U	0.21 U
BROMOMETHANE	11000	730	N	0.5 U	0.41 U	0.53 U	0.51 U	0.48 U
CARBON DISULFIDE	780000	82000	N	0.85 B	0.78 B	1.5 B	0.88 B	0.81 B
ETHYLBENZENE	780000	5400	C	0.24 U	0.2 U	0.26 U	0.25 U	0.23 U
ISOPROPYLBENZENE	780000	210000	N	0.15 U	0.12 U	0.16 U	0.15 U	0.14 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	0.92 U	1.2 U	1.1 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.93 B	0.75 B	0.98 B	1 B	1 B
NAPHTHALENE	160000	3600	C	0.8 B	0.7 B	0.83 B	0.83 B	0.77 B
N-PROPYLBENZENE	NC	340000	N	0.37 U	0.31 U	0.39 U	0.38 U	0.36 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.27 U	0.34 U	0.33 U	0.31 U
TOLUENE	630000	500000	N	0.25 U	0.21 U	0.27 U	0.26 U	0.24 U
TOTAL XYLENES	1600000	63000	N	0.62 U	0.51 U	0.66 U	0.63 U	0.6 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	22 U	22 U	27 J	22 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	14 U	12 U	12 U
CARBAZOLE	32000	NC		32 U	31 U	37 U	32 U	31 U
DIBENZOFURAN	7800	7800	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
DIMETHYL PHTHALATE	NC	NC		20 U	20 U	23 U	20 U	20 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	17 U	21 U	18 U	17 U
DI-N-OCTYL PHTHALATE	NC	NC		32 U	31 U	37 U	32 U	31 U
PHENOL	2300000	1800000	N	32 U	31 U	37 U	32 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.9 U	**74.7**	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	**72.8**	4.5 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	36	4.5 U	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	3.9 U	**58**	4.5 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	66	4.5 U	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	33	4.5 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	28	4.5 U	3.9 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-795 D-SB-795-09 20100909 NORMAL SO NORMAL SB 9 9	SB-796 D-SB-796-03 20100910 NORMAL SO NORMAL SB 3 3	SB-796 D-SB-796-05 20100910 NORMAL SO NORMAL SB 5 5	SB-796 D-SB-796-07 20100910 NORMAL SO NORMAL SB 7 7	SB-796 D-SB-796-09 20100910 NORMAL SO NORMAL SB 9 9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.3 U	41	1.5 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	3.9 U	42	4.5 U	3.9 U	3.8 U
FLUORENE	310000	230000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	43	4.5 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	18	4.5 U	3.9 U	3.8 U
PYRENE	230000	170000	N	3.9 U	37	4.5 U	3.9 U	3.8 U
TOTAL PAHS	NC	NC		0 U	402	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.46 UJ	0.91 U	2.7 U	0.46 U	0.45 U
AROCLOR-1260	320	220	C	20 U	20 U	23 U	20 U	20 U
BETA-BHC	350	270	C	1.3 UJ	2.6 U	7.5 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 B	0.19 J	0.2 J	0.21 J	0.19 J
ARSENIC	0.43	0.39	C	**4.4 J**	**3.4**	**9.4**	**3.1**	**4.3**
BARIUM	1600	1500	N	12.6	38.2	32.5	9.8	11.4
BERYLLIUM	16	16	N	1.3 J	1.3	2.3	1.3	2.3
CADMIUM	3.9	7	N	0.012 B	0.24	0.016 B	0.016 B	0.025 B
CHROMIUM	12000 [10]	12000	N[10]	21.7 J	15.3	32.2	15.8	22.7
COBALT	NC	2.3	N	**7.7 J**	**9.3**	**6.7**	**3.5**	**8.9**
COPPER	310	310	N	16.6 J	16.7	51.9	17.4	30.3
IRON	5500	5500	N	**27300 J**	**15400**	**50200**	**28100**	**36700**
LEAD	400	400		6.4	17.1	9.6	3.4	3.3
MANGANESE	160	180	N	74 J	44.6	23.5	20	20.9
MERCURY	2.3 [11]	2.3	N[12]	0.018 U	0.51	0.021 U	0.018 U	0.017 U
MOLYBDENUM	NC	39	N	0.41	0.4	1.2	0.57	0.78
NICKEL	160	150	N	20.2 J	17.3	12.1	10.1	28.3
SELENIUM	39	39	N	1.4 L	1.3	1.6	1.3	1.4
SILVER	39	39	N	0.019 U	0.31	0.038 J	0.019 U	0.019 U
THALLIUM	0.55	NC		0.08 J	0.065 B	0.13 B	0.053 B	0.057 B
VANADIUM	7.8	39	N[13]	**38.5 J**	**24.8**	**57.6**	**41.8**	**68.5**
ZINC	2300	2300	N	24.6 L	95.4	44.8	10.3	27
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		5300 J	160000	57000	5600 J	5600 J
GASOLINE RANGE ORGANICS	230000	NC		54 UJ	53 U	63 U	54 U	53 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	0.31 U	0.37 U	0.32 U	**0.37 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the ESV are shaded black with white font. Concentrations exceeding the adjusted RSL for residential soil are shaded blue with black font. Concentrations exceeding both the ESV and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	26	1.5 U	1.5 U	21	1.5 U	181	578	1.5 U	168
BAP EQUIVALENT-POS	1.5 U	1.5 U	26	1.5 U	1.5 U	20	1.5 U	181	577	1.5 U	168
BENZO(A)ANTHRACENE	1.1 U	1.1 U	23	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	86
BENZO(A)PYRENE	1.5 U	1.5 U	20	1.5 U	1.5 U	16	1.5 U	150	490	1.5 U	120
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	23	1.4 U	1.4 U	16	1.4 U	170	510	1.4 U	130
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	10	2 U	2 U	2 U	2 U	57	180	2 U	49
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	27	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	110
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.5 U	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	8.7	1.7 U	1.8 U	22	1.8 U	130	340	1.8 U	64
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	111.7	0 U	0 U	54	0 U	507	1520	0 U	578
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	154	1078	16	1.5 U	9.2	1.5 U	1.5 U	429	47
BAP EQUIVALENT-POS	1.5 U	1.5 U	154	1078	15	1.5 U	8.2	1.5 U	1.5 U	429	46
BENZO(A)ANTHRACENE	1.1 U	1.1 U	44	290	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	250	33
BENZO(A)PYRENE	1.5 U	1.5 U	110	750	13	1.5 U	8.2	1.5 U	1.5 U	300	36
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	100	750	13	1.4 U	1.3 U	1.4 U	1.4 U	340	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	65	410	2 U	1.9 U	1.9 U	2 U	2 U	130	17
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	84	410	1 U	1 U	1 U	1 U	1 U	290	40
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	21	170	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	50	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	75	490	7.7	1.7 U	1.7 U	1.7 U	1.7 U	180	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	499	3270	33.7	0 U	8.2	0 U	0 U	1540	188
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.7 U	2213	74	480	147	123	100	90	11	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.7 U	2212	73	479	147	123	100	90	9.8	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	930	34	210	110	93.5	77	71	8.5	1.1 U
BENZO(A)PYRENE	1.5 U	1.7 U	1800	59	390	100	84	68	69	8	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1900	60	390	130	113.5	97	98	9.9	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.2 U	750	20	150	56	46	36	31	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.2 U	1200	42	260	95	80	65	65	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.7 U	3.2 U	1.7 U	1.7 U	17	14	11	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1200	41	270	50	42	34	34	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	7780	256	1670	558	473	388	368	26.4	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	101	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	124
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	100	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	124
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	63	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	54
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	80	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	90
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	88	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	94
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	33	2 U	2 U	2 U	2 U	2 U	2 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	58	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	73
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	13
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	48	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	56
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	370	0 U	0 U	0 U	0 U	0 U	0 U	420
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	44	45	43	185
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	43	45	42	185
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	45	43	47	110
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	33	34	32	110
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	34	43	29	250
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1.9 U	2 U	2 U	2.1 U	2 U	2 U	18	15	23	100
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	48	50	48	170
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.6 U	29
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	19	19	19	88
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	197	204	198	857
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	121	198	42	337	25	22	1.5 U	1.6 U	21	1.7 U	2 U
BAP EQUIVALENT-POS	121	198	42	337	24	21	1.5 U	1.6 U	20	1.7 U	2 U
BENZO(A)ANTHRACENE	82	140	32	210	18	18	1.1 U	1.2 U	1.2 U	1.2 U	1.4 U
BENZO(A)PYRENE	85	130	32	230	19	16	1.5 U	1.6 U	19	1.7 U	2 U
BENZO(B)FLUORANTHENE	110	180	40	250	23	19	1.4 U	1.5 U	9.3	1.5 U	1.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	36	61	16	110	8.8	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	74	130	40	240	27	21	1.1 U	1.1 U	1.2 U	1.1 U	1.4 U
DIBENZO(A,H)ANTHRACENE	12	27	1.5 U	43	1.6 U	1.7 U	1.5 U	1.6 U	1.7 U	1.7 U	2 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	47	87	22	170	12	12	1.8 U	1.8 U	2 U	1.9 U	2.3 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	446	755	182	1253	107.8	86	0 U	0 U	28.3	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	58	1.9 U	288	161	34	622	1.6 U	1.6 U	1.6 U	91
BAP EQUIVALENT-POS	1.6 U	57	1.9 U	284	159	33	622	1.6 U	1.6 U	1.6 U	91
BENZO(A)ANTHRACENE	1.2 U	30	1.4 U	200 J	113.5	27 J	270	1.2 U	1.2 U	1.1 U	43
BENZO(A)PYRENE	1.6 U	46	1.9 U	220 J	122.5	25 J	440	1.6 U	1.6 U	1.6 U	64
BENZO(B)FLUORANTHENE	1.5 U	48	1.7 U	280 J	157.5	35 J	450	1.5 U	1.5 U	1.4 U	70
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	27	2.5 U	120 J	65.5	11 J	220	2.1 U	2.1 U	2 U	25
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	35	1.3 U	240 J	134	28 J	330	1.1 U	1.1 U	1.1 U	59
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.9 U	6.2 U	3.85 U	1.5 U	81	1.6 U	1.6 U	1.6 U	11
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
INDENO(1,2,3-CD)PYRENE	1.9 U	30	2.2 U	150 J	83.5	17 J	260	1.8 U	1.9 U	1.8 U	43
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	216	0 U	1210	676.5	143	2051	0 U	0 U	0 U	315
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	15 U	160	4.4 U	4.1 U	4.2 U	4 U	3.9 U	11	4 U
2-METHYLNAPHTHALENE	NA	NA	15 U	260	4.4 U	4.1 U	4.2 U	4 U	3.9 U	23	4 U
ACENAPHTHENE	NA	NA	110	58	4.4 U	4.1 U	33 J	4 U	3.9 U	38 J	4 U
ACENAPHTHYLENE	NA	NA	370	34	4.4 U	4.1 U	140	4 U	3.9 U	200	4 U
ANTHRACENE	NA	NA	270	71	4.4 U	4.1 U	85 J	4 U	3.9 U	120 J	4 U
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	717	123	4.4 U	4.1 U	253	4 U	3.9 U	362	4 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	710	121	4.4 U	4.1 U	251	4 U	3.9 U	360	4 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	470 J	85	4.4 UJ	4.1 U	160	4 U	3.9 U	190	4 U
BENZO(A)PYRENE	1.6 U	1.6 U	560 J	99	4.4 UJ	4.1 U	200 J	4 U	3.9 U	290 J	4 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	620 J	130	4.4 UJ	4.1 U	230 J	4 U	3.9 U	320 J	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	440 J	3.9 U	4.4 UJ	4.1 U	140 J	4 U	3.9 U	220 J	4 U
BENZO(K)FLUORANTHENE	2.1 U	2 U	340 J	50	4.4 UJ	4.1 U	110 J	4 U	3.9 U	140 J	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	510 J	100	1.5 UJ	1.4 U	170	1.3 U	1.3 U	230	1.3 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	15 UJ	3.9 U	4.4 UJ	4.1 U	4.2 U	4 U	3.9 U	4.1 U	4 U
FLUORANTHENE	NA	NA	650	230	34	4.1 U	180 J	4 U	3.9 U	240 J	4 U
FLUORENE	NA	NA	15 U	72	4.4 U	4.1 U	33 J	4 U	3.9 U	4.1 U	4 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	370 J	3.9 U	4.4 UJ	4.1 U	110 J	4 U	3.9 U	170 J	4 U
NAPHTHALENE	NA	NA	56	400	4.4 U	4.1 U	11	4 U	3.9 U	26	4 U
PHENANTHRENE	NA	NA	370	210	4.4 U	4.1 U	53 J	4 U	3.9 U	59 J	4 U
PYRENE	NA	NA	1200 J	210	18 J	4.1 U	330	4 U	3.9 U	550	4 U
TOTAL PAHS	0 U	0 U	6336	2009	52	0 U	1985	0 U	0 U	2816	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	4 U	4 U	4 U	56	11	4 U	4.1 U	4 U	43	59	190
2-METHYLNAPHTHALENE	4 U	4 U	4 U	94	21	4 U	4.1 U	4 U	63	61	390
ACENAPHTHENE	4 U	4 U	4 U	65	3.8 U	4 U	4.1 U	4 U	84	28	900
ACENAPHTHYLENE	4 U	27	4 U	400	43	4 U	4.1 U	4 U	4.2 U	14	20 U
ANTHRACENE	4 U	10	4 U	260	26	4 U	4.1 U	4 U	24	52	1600
BAP EQUIVALENT-HALFND	4 U	46	4 U	1871	300	4 U	4.1 U	4 U	30	80	1351
BAP EQUIVALENT-POS	4 U	44	4 U	1871	298	4 U	4.1 U	4 U	28	78	1341
BENZO(A)ANTHRACENE	4 U	4 U	4 U	940	230	4 U	4.1 U	4 U	29	76	2400
BENZO(A)PYRENE	4 U	37	4 U	1300	220	4 U	4.1 U	4 U	19	59	810
BENZO(B)FLUORANTHENE	4 U	37 J	4 U	1400 J	350 J	4 U	4.1 U	4 U	31 J	68 J	2200 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	30	4 U	1200	320	4 U	4.1 U	4 U	14	37	580
BENZO(K)FLUORANTHENE	4 U	4 U	4 U	660	73	4 U	4.1 U	4 U	15	24	860
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	370 J	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	410 J	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	140 J	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	240 J	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	170 J	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	99 J	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	130 J	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	23	1.3 U	1100	210	1.3 U	1.4 U	1.3 U	29	84	2200
DIBENZO(A,H)ANTHRACENE	4 U	4 U	4 U	250 J	3.8 U	4 U	4.1 U	4 U	4.2 U	4.3 U	20 U
FLUORANTHENE	4 U	25	4 U	1600	270	4 U	4.1 U	4 U	65	170	7100
FLUORENE	4 U	4 U	4 U	96	3.8 U	4 U	4.1 U	4 U	45	68	950

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	4 U	34 J	4 U	790 J	190 J	4 U	4.1 U	4 U	24 J	40 J	600 J
NAPHTHALENE	4 U	4 U	4 U	130	24	4 U	4.1 U	4 U	95	28	990
PHENANTHRENE	4 U	4 U	4 U	640	82	4 U	4.1 U	4 U	110	310	5600
PYRENE	4 U	54	4 U	2300	480	4 U	4.1 U	4 U	49	210	5200
TOTAL PAHS	0 U	277	0 U	13225	2539	0 U	0 U	0 U	696	1329	32380
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4.1 U	4.1 U	11	4 U	29	17	16	15
2-METHYLNAPHTHALENE	9	4.1 U	14	8.5	48	25	27.5	30
ACENAPHTHENE	4.1 U	4.1 U	4 U	13	240	90	105	120
ACENAPHTHYLENE	4.1 U	4.1 U	8.2	4 U	7.7 U	3.8 U	3.8 U	3.8 U
ANTHRACENE	4.1 U	4.1 U	17	20	440	200	165	130
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	43	97	888	499	449	399
BAP EQUIVALENT-POS	4.1 U	4.1 U	41	97	888	499	449	399
BENZO(A)ANTHRACENE	4.1 U	4.1 U	24	65	730	480	395	310
BENZO(A)PYRENE	4.1 U	4.1 U	34	63	590	340	310	280
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	22	95	800	460	405	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	12	51	350	190	185	180
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	4 U	33	300	230	205	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	130 J	250	370 J
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	160 J	385	610 J
C1-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 UJ	199.5	360 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	84 J	117	150 J
C2-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	99.5	160 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	78 U	59.5	80 J
C3-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	67.5	96 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
CHRYSENE	1.4 U	1.4 U	26	73	750	480	405	330
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	13	110	44	40	36
FLUORANTHENE	9.9	4.1 U	47	120	1800	1300 J	1000	700 J
FLUORENE	4.1 U	4.1 U	18	13	220	95	91	87

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	23	41	310	180	165	150
NAPHTHALENE	4.1 U	4.1 U	4 U	12	76	47	55	63
PHENANTHRENE	19	4.1 U	86	74	1500	870 J	680	490 J
PYRENE	12	4.1 U	64	97	1300	920 J	720	520 J
TOTAL PAHS	49.9	0 U	395.2	791.5	9564	5951	4953.5	3956
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	7 B	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	900 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	550	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	6.3	1433	38	1.6 U
BAP EQUIVALENT-POS	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	4.4	1433	37	1.6 U
BENZO(A)ANTHRACENE	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	390 U	12	1200	33	1.2 U
BENZO(A)PYRENE	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U	1000	27	1.6 U
BENZO(B)FLUORANTHENE	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	390 U	14	1200	38	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	390 U	2.4 U	530	2.5 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	390 U	1.3 U	1000	28	1.1 U
DIBENZO(A,H)ANTHRACENE	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U	140	1.9 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
INDENO(1,2,3-CD)PYRENE	NA	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	390 U	18	470	29	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U	44	5540	155	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	2.8 UR	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	0.66 L	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	2.8 UL	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	5.7 L	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	2.8 UJ	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.11 UL	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	2.8 UL	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	2.8 UR	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	2.3 UL	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	28 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	110 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	319 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	13 U	13 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	20	20	12	14	12	14	12	14	12	14
2,4-DICHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	950 U	1000 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	410 U	590	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	410 U	440 U	52	1.5 U	2.1 U	498	44	263	50	50
BAP EQUIVALENT-POS	1.6 U	410 U	440 U	51	1.5 U	2.1 U	498	43	263	49	49
BENZO(A)ANTHRACENE	1.2 U	410 U	440 U	30	1.1 U	1.6 U	210	25	200	28	32
BENZO(A)PYRENE	1.6 U	410 U	440 U	39	1.5 U	2.1 U	330	33	170	38	38
BENZO(B)FLUORANTHENE	1.5 U	410 U	440 U	51	1.4 U	2 U	480	45	230	50	46
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	410 U	440 U	19	1.9 U	2.8 U	200	12	74	8.9	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	410 U	440 U	29	1 U	1.5 U	270	19	180	30	24
DIBENZO(A,H)ANTHRACENE	1.6 U	410 U	440 U	1.8 U	1.5 U	2.1 U	74	1.9 U	40	1.7 U	1.8 U
FLUORANTHENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
INDENO(1,2,3-CD)PYRENE	1.8 U	410 U	440 U	38	1.7 U	2.5 U	230	32	88	30	34
NAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	206	0 U	0 U	1794	166	982	184.9	188
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	5.3 L	2.5 L	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3.1 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	26 L	3.8 L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	22	4.8 K	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	20 J	3 UJ	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 UL	0.12 UL	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	18	23	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	2.4 UL	2.4 UL	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	49 J	30 UL	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	12000 U	13000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	130 U	130 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-BUTANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-HEXANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
4-METHYL-2-PENTANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
ACETONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
BENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOFORM	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROFORM	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	11 U	11 U	12 UL	13 UL	12 UL	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	9 J	9 J	8 J	9 J	6 UL	6 UL	6 UL	NA	NA	NA	NA
NAPHTHALENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
O-XYLENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
STYRENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
VINYL ACETATE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	20	20	15	20	25	15	15	15	15
2,4-DICHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4-DINITROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-CHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2-NITROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3&4-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	9000 U	940 U	880 U	890 U	950 U	9700 U	930 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLOROANILINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
4-NITROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
ACETOPHENONE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
CAPROLACTAM	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
CARBAZOLE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIBENZOFURAN	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIETHYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROBENZENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROETHANE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ISOPHORONE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
NITROBENZENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PENTACHLOROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
PHENOL	3900 U	520	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ACENAPHTHENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ANTHRACENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3021	410 U	380 U	390 U	410 U	3182	410 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	876	410 U	380 U	390 U	410 U	431	410 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	520 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(A)PYRENE	770 J	410 U	380 U	390 U	410 U	430 J	410 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	460 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	690 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	770 J	410 U	380 U	390 U	410 U	510 J	410 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
FLUORANTHENE	740 J	410 U	380 U	390 U	410 U	510 J	410 U	NA	NA	NA	NA
FLUORENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
INDENO(1,2,3-CD)PYRENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
NAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PHENANTHRENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PYRENE	1800 J	410 U	380 U	390 U	410 U	790 J	410 U	NA	NA	NA	NA
TOTAL PAHS	5750	0 U	0 U	0 U	0 U	2240	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1221	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1232	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1242	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1248	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1254	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1260	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	2.5 UL	2.6 UL	2.8 UR	2.8 U	2.9 UL	2.7 UL	2.6 UL	NA	NA	NA	NA
ARSENIC	2.8	0.71	0.57 UL	0.57 U	2.5	1.2 K	0.52 U	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
CADMIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
CHROMIUM	27 J	6.4 J	2.8 U	2.8 U	14 J	19 J	16 J	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	15	3	5 L	3.4 L	11 J	9.7 J	4.9 J	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	11	2.6 U	2.8 UL	2.8 UJ	6.5 K	7.5 K	2.6 U	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	15	2.6 U	6.6	3.5 K	10 K	4.3 K	7.6 K	NA	NA	NA	NA
SELENIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
SILVER	2.5 UR	2.6 UR	2.8 UR	2.8 UL	2.9 UR	2.7 UR	2.6 UR	NA	NA	NA	NA
THALLIUM	2 U	2.1 U	2.3 UL	2.3 UL	2.3 U	2.2 U	2.1 U	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	50 J	26 UL	28 U	28 UL	29 UL	27 UL	26 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	11000 U	12000 U	11000 U	12000 U	12000 U	13000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	110 U	110 U	120 U	130 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	13	3.9 U
2-METHYLNAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	20	3.9 U
ACENAPHTHENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	87	3.9 U
ACENAPHTHYLENE	NA	NA	15	49	4.2 U	28	37	3.9 U	3.8 U	4 U	3.9 U
ANTHRACENE	NA	NA	3.9 U	20	4.2 U	10	15	3.9 U	3.8 U	89	3.9 U
BAP EQUIVALENT-HALFND	NA	NA	113	175	4.2 U	88	97	3.9 U	22	269	3.9 U
BAP EQUIVALENT-POS	NA	NA	113	173	4.2 U	88	97	3.9 U	20	269	3.9 U
BENZO(A)ANTHRACENE	NA	NA	31	88	4.2 U	37	33	3.9 U	16	220	3.9 U
BENZO(A)PYRENE	NA	NA	71	140	4.2 U	51	59	3.9 U	15	180	3.9 U
BENZO(B)FLUORANTHENE	NA	NA	78	150	4.2 U	52	56	3.9 U	20	270	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	51	100	4.2 U	41	48	3.9 U	11	110	3.9 U
BENZO(K)FLUORANTHENE	NA	NA	26	61	4.2 U	18	24	3.9 U	11	100	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
CHRYSENE	NA	NA	50	130	1.4 U	26	41	1.3 U	18	250	1.3 U
DIBENZO(A,H)ANTHRACENE	NA	NA	26	3.9 U	4.2 U	25	25	3.9 U	3.8 U	28	3.9 U
FLUORANTHENE	NA	NA	43	120	4.2 U	26	37	3.9 U	36	580	3.9 U
FLUORENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	85	3.9 U

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	NA	NA	51	88	4.2 U	30	36	3.9 U	9.6	110	3.9 U
NAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	38	3.9 U
PHENANTHRENE	NA	NA	3.9 U	8.3	4.2 U	4.1 U	4.3 U	3.9 U	23	370	3.9 U
PYRENE	NA	NA	110	300	4.2 U	120	150	3.9 U	29	440	3.9 U
TOTAL PAHS	NA	NA	552	1254.3	0 U	464	561	0 U	188.6	2977	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	28.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.04 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.8 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	61.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.35 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	4 U	41	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
2-METHYLNAPHTHALENE	4 U	76	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
ACENAPHTHENE	4 U	86	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
ACENAPHTHYLENE	4 U	2700	8.9	4.2 U	11	3.9 U	3.8 U	69	3.9 U	3.7 U	93
ANTHRACENE	4 U	1200	4 U	4.2 U	3.9 U	3.9 U	3.8 U	37	3.9 U	3.7 U	36
BAP EQUIVALENT-HALFND	4 U	6217	16	4.2 U	43	3.9 U	3.8 U	198	26	3.7 U	131
BAP EQUIVALENT-POS	4 U	6217	13	4.2 U	43	3.9 U	3.8 U	198	24	3.7 U	129
BENZO(A)ANTHRACENE	4 U	2500	4 U	4.2 U	16	3.9 U	3.8 U	97	18	3.7 U	58
BENZO(A)PYRENE	4 U	4400	12	4.2 U	23	3.9 U	3.8 U	130	19	3.7 U	99
BENZO(B)FLUORANTHENE	4 U	4600	12	4.2 U	23 J	3.9 U	3.8 U	120 J	20 J	3.7 U	140 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3800	10	4.2 U	16	3.9 U	3.8 U	100	16	3.7 U	160
BENZO(K)FLUORANTHENE	4 U	1400	4 U	4.2 U	11	3.9 U	3.8 U	55	11	3.7 U	56
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	3000	1.3 U	1.4 U	18	1.3 U	1.3 U	120	22	1.2 U	82
DIBENZO(A,H)ANTHRACENE	4 U	820	4 U	4.2 U	15 J	3.9 U	3.8 U	38 J	3.9 U	3.7 U	4.1 U
FLUORANTHENE	4 U	1900	4 U	4.2 U	23	3.9 U	3.8 U	180	34	3.7 U	72
FLUORENE	4 U	190	4 U	4.2 U	3.9 U	3.9 U	3.8 U	14	3.9 U	3.7 U	4.1 U

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	4 U	2700	4 U	4.2 U	11 J	3.9 U	3.8 U	75 J	11 J	3.7 U	99 J
NAPHTHALENE	4 U	78	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
PHENANTHRENE	4 U	280	4 U	4.2 U	3.9 U	3.9 U	3.8 U	41	3.9 U	3.7 U	14
PYRENE	4 U	4500	12	4.2 U	50	3.9 U	3.8 U	280	55	3.7 U	180
TOTAL PAHS	0 U	34230	54.9	0 U	217	0 U	0 U	1356	206	0 U	1089
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	0.52 U	0.59 U	0.5 U	0.52 U	0.57 U	0.71 U	0.56 U	0.53 U	0.57 U	0.56 U
1,1,1-TRICHLOROETHANE	NA	0.47 U	0.53 U	0.45 U	0.47 U	0.52 U	0.64 U	0.51 U	0.48 U	0.51 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.5 U	1.2 U	1.1 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
1,1-DICHLOROETHENE	NA	0.43 U	0.49 U	0.42 U	0.44 U	0.48 U	0.59 U	0.47 U	0.44 U	0.47 U	0.47 U
1,1-DICHLOROPROPENE	NA	0.25 U	0.28 U	0.24 U	0.25 U	0.28 U	0.34 U	0.27 U	0.26 U	0.27 U	0.27 U
1,2,3-TRICHLOROBENZENE	NA	0.32 U	0.36 U	0.31 U	0.32 U	0.35 U	0.43 U	0.35 U	0.32 U	0.35 U	0.34 U
1,2,3-TRICHLOROPROPANE	NA	0.75 U	0.85 U	0.73 U	0.76 U	0.83 U	1 U	0.82 U	0.77 U	0.82 U	0.81 U
1,2,3-TRIMETHYLBENZENE	NA	0.14 U	0.16 U	0.14 U	0.14 U	0.16 U	0.19 U	0.15 U	0.14 U	0.16 U	0.15 U
1,2,4-TRICHLOROBENZENE	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U	0.23 U	0.25 U	0.24 U
1,2,4-TRIMETHYLBENZENE	NA	0.54 U	0.62 U	0.52 U	0.55 U	0.6 U	0.74 U	0.59 U	0.55 U	0.59 U	0.58 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.5 U	1.2 U	1.1 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	NA	0.42 U	0.47 U	0.4 U	0.42 U	0.46 U	0.57 U	0.45 U	0.43 U	0.46 U	0.45 U
1,2-DICHLOROBENZENE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
1,2-DICHLOROETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,2-DICHLOROPROPANE	NA	0.58 U	0.65 U	0.56 U	0.58 U	0.64 U	0.79 U	0.63 U	0.59 U	0.63 U	0.62 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U	0.3 U	0.32 U	0.31 U
1,3-DICHLOROPROPANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	0.55 U	0.63 U	0.53 U	0.55 U	0.61 U	0.75 U	0.6 U	0.56 U	0.6 U	0.59 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	0.78 U	0.89 U	0.76 U	0.79 U	0.87 U	1.1 U	0.85 U	0.8 U	0.86 U	0.85 U
2-BUTANONE	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U	1.2 U	1.3 U	1.6 J
2-CHLOROETHYL VINYL ETHER	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U	1.2 U	1.3 U	1.3 U
2-CHLOROTOLUENE	NA	0.33 U	0.38 U	0.32 U	0.34 U	0.37 U	0.46 U	0.36 U	0.34 U	0.37 U	0.36 U
2-HEXANONE	NA	0.53 U	0.6 U	0.51 U	0.53 U	0.58 U	0.72 U	0.57 U	0.54 U	0.57 U	0.57 U
4-CHLOROTOLUENE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
4-ISOPROPYLTOLUENE	NA	0.18 U	0.2 U	0.17 U	0.18 U	0.19 U	0.24 U	0.19 U	0.18 U	0.19 U	0.19 U
4-METHYL-2-PENTANONE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
ACETONE	NA	5.3 U	6 U	5.1 U	5.3 U	5.8 B	7.2 U	5.7 U	5.4 U	5.7 U	37 B
BENZENE	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U	0.2 U	0.21 U	0.21 U
BROMOBENZENE	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
BROMOCHLOROMETHANE	NA	0.59 U	0.67 U	0.57 U	0.6 U	0.66 U	0.81 U	0.64 U	0.6 U	0.65 U	0.64 U
BROMODICHLOROMETHANE	NA	0.23 U	0.27 U	0.23 U	0.24 U	0.26 U	0.32 U	0.25 U	0.24 U	0.26 U	0.25 U
BROMOFORM	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
BROMOMETHANE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
CARBON DISULFIDE	NA	0.37 U	0.42 U	0.35 U	0.37 U	0.41 U	0.5 U	0.4 U	0.37 U	0.4 U	0.81 B
CARBON TETRACHLORIDE	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U	0.31 U	0.34 U	0.33 U
CHLOROBENZENE	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
CHLORODIBROMOMETHANE	NA	0.46 U	0.52 U	0.44 U	0.46 U	0.51 U	0.63 U	0.5 U	0.47 U	0.5 U	0.49 U
CHLOROETHANE	NA	0.72 U	0.81 U	0.69 U	0.72 U	0.79 U	0.98 U	0.78 U	0.73 U	0.78 U	0.77 U
CHLOROFORM	NA	0.24 U	0.27 U	0.23 U	0.24 U	0.27 U	0.33 U	0.26 U	0.25 U	0.26 U	0.26 U
CHLOROMETHANE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
CIS-1,2-DICHLOROETHENE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
CIS-1,3-DICHLOROPROPENE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
DIBROMOMETHANE	NA	0.53 U	0.6 U	0.51 U	0.53 U	0.58 U	0.72 U	0.57 U	0.54 U	0.57 U	0.57 U
DICHLORODIFLUOROMETHANE	NA	0.42 U	0.47 U	0.4 U	0.42 U	0.46 U	0.57 U	0.45 U	0.43 U	0.46 U	0.45 U
DIISOPROPYL ETHER	NA	1.4 U	1.4 U	1.2 U	1.3 U	1.4 U	1.7 U	1.4 U	1.3 U	1.4 U	1.3 U
ETHYL TERT-BUTYL ETHER	NA	0.18 U	0.21 U	0.18 U	0.18 U	0.2 U	0.25 U	0.2 U	0.19 U	0.2 U	0.2 U
ETHYLBENZENE	NA	0.22 U	0.25 U	0.21 U	0.22 U	0.24 U	0.3 U	0.24 U	0.22 U	0.24 U	0.23 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U	1 U	1.1 U	1.1 U
ISOPROPYLBENZENE	NA	0.13 U	0.15 U	0.13 U	0.13 U	0.15 U	0.18 U	0.15 U	0.14 U	0.15 U	0.14 U
M+P-XYLENES	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U	1 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	NA	0.36 U	0.41 U	0.35 U	0.36 U	0.4 U	0.49 U	0.39 U	0.37 U	0.39 U	0.39 U
METHYLENE CHLORIDE	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U	0.57 U	0.61 U	0.6 U
NAPHTHALENE	NA	0.16 U	0.18 U	0.15 U	0.16 U	0.18 U	0.22 U	0.17 U	0.16 U	0.17 U	0.8 B
N-BUTYLBENZENE	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U	0.2 U	0.21 U	0.21 U
N-PROPYLBENZENE	NA	0.33 U	0.38 U	0.32 U	0.34 U	0.37 U	0.46 U	0.36 U	0.34 U	0.37 U	0.36 U
O-XYLENE	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U	0.3 U	0.32 U	0.31 U
SEC-BUTYLBENZENE	NA	0.15 U	0.17 U	0.15 U	0.15 U	0.17 U	0.21 U	0.16 U	0.15 U	0.16 U	0.16 U
STYRENE	NA	0.13 U	0.14 U	0.12 U	0.13 U	0.14 U	0.17 U	0.14 U	0.13 U	0.14 U	0.13 U
TERT-AMYL METHYL ETHER	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U	0.31 U	0.34 U	0.33 UJ
TERT-BUTYLBENZENE	NA	0.24 U	0.27 U	0.23 U	0.24 U	0.27 U	0.33 U	0.26 U	0.25 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	NA	6.3 UR	7.2 UR	6.1 UR	6.4 UR	7 UR	8.7 UR	6.9 UR	6.5 UR	6.9 UR	47 B
TETRACHLOROETHENE	NA	0.43 U	0.49 U	0.42 U	0.44 U	0.48 U	0.59 U	0.47 U	0.44 U	0.47 U	0.47 U
TOLUENE	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U	0.23 U	0.25 U	0.28 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U	0.57 U	0.61 U	0.6 U
TRANS-1,2-DICHLOROETHENE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
TRICHLOROETHENE	NA	0.35 U	0.4 U	0.34 U	0.35 U	0.39 U	0.48 U	0.38 U	0.36 U	0.38 U	0.38 U
TRICHLOROFLUOROMETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
VINYL ACETATE	NA	0.21 U	0.24 U	0.2 U	0.21 U	0.23 U	0.29 U	0.23 U	0.21 U	0.23 U	0.22 U
VINYL CHLORIDE	NA	0.33 U	0.37 U	0.31 U	0.33 U	0.36 U	0.45 U	0.35 U	0.33 U	0.36 U	0.35 U
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	25 U	27 U	25 U	26 U	27 U	27 U	26 U	26 U	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	11 U	12 U	11 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	NA	29 U	31 U	29 U	30 U	30 U	30 U	29 U	29 U	31 U	30 U
2,4,6-TRICHLOROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
2,4-DICHLOROPHENOL	NA	23 U	25 U	23 U	24 U	24 U	24 U	24 U	23 U	25 U	24 U
2,4-DIMETHYLPHENOL	NA	23 U	25 U	23 U	24 U	24 U	24 U	24 U	23 U	25 U	24 U
2,4-DINITROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
2,4-DINITROTOLUENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
2,6-DINITROTOLUENE	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
2-CHLORONAPHTHALENE	NA	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
2-CHLOROPHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
2-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
2-NITROANILINE	NA	11 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	21 U	22 U	21 U	21 U	22 U	22 U	21 U	21 U	22 U	21 U
3-NITROANILINE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
4-BROMOPHENYL PHENYL ETHER	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
4-CHLOROANILINE	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
4-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
4-NITROANILINE	NA	30 U	32 U	30 U	31 U	32 U	32 U	31 U	30 U	32 U	31 U
4-NITROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
ACETOPHENONE	NA	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	11 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	14 U	15 U	14 U	14 U	15 U	15 U	14 U	14 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	25 U	27 U	25 U	26 U	27 U	27 U	26 U	26 U	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	NA	2.3 U	2.5 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.3 U	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U	78	23 U	22 U
BUTYL BENZYL PHTHALATE	NA	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	22 J	12 U
CAPROLACTAM	NA	43 U	46 U	43 U	44 U	45 U	45 U	44 U	43 U	46 U	44 U
CARBAZOLE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
DIBENZOFURAN	NA	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
DIETHYL PHTHALATE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
DIMETHYL PHTHALATE	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
DI-N-BUTYL PHTHALATE	NA	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	18 U	18 U
DI-N-OCTYL PHTHALATE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROBENZENE	NA	2.4 U	2.6 U	2.4 U	2.5 U	2.6 U	2.6 U	2.5 U	2.4 U	2.6 U	2.5 U
HEXACHLOROBUTADIENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROCYCLOPENTADIENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROETHANE	NA	10 U	11 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U
ISOPHORONE	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
NITROBENZENE	NA	2.5 U	2.7 U	2.5 U	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
N-NITROSODIPHENYLAMINE	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
PENTACHLOROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
PHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5.8	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	1.3	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(A)PYRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	13	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	8.7	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
FLUORANTHENE	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
FLUORENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
PYRENE	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	51.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	0.72 U	0.77 U	0.71 U	0.73 UJ	0.75 UJ	0.75 UJ	0.73 U	0.72 U	0.76 U	0.73 UJ
4,4'-DDE	NA	0.45 U	0.49 U	0.45 U	0.46 U	0.47 U	0.47 U	0.46 U	0.45 U	0.48 U	0.46 U
4,4'-DDT	NA	0.73 U	0.79 U	0.73 U	0.75 U	0.77 U	0.77 U	0.74 U	0.73 U	0.78 U	0.75 UJ
ALDRIN	NA	1.4 U	1.5 U	1.4 U	1.4 UJ	1.5 UJ	1.5 UJ	1.4 U	1.4 U	1.5 U	1.4 U
ALPHA-BHC	NA	0.85 U	0.91 U	0.84 U	0.86 UJ	0.89 UJ	0.89 UJ	0.86 U	0.85 U	0.9 U	0.86 U
ALPHA-CHLORDANE	NA	1.1 U	1.2 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.2 U	1.1 U
AROCLOR-1016	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
AROCLOR-1221	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
AROCLOR-1232	NA	16 U	17 U	16 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U
AROCLOR-1242	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
AROCLOR-1248	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
AROCLOR-1254	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
AROCLOR-1260	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
BETA-BHC	NA	1.3 U	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.4 U	1.3 U
DELTA-BHC	NA	1.4 U	1.5 U	1.4 U	1.4 UJ	1.5 UJ	1.5 UJ	1.4 U	1.4 U	1.5 U	1.4 U
DIELDRIN	NA	0.54 U	0.59 U	0.54 U	0.56 UJ	0.57 UJ	0.57 UJ	0.55 U	0.55 U	0.58 U	0.56 U
ENDOSULFAN I	NA	0.6 U	0.65 U	0.6 U	0.62 UJ	0.63 UJ	0.63 UJ	0.61 U	0.61 U	0.64 U	0.62 U
ENDOSULFAN II	NA	0.95 U	1 U	0.94 U	0.97 UJ	1 UJ	1 UJ	0.97 U	0.96 U	1 U	0.97 U
ENDOSULFAN SULFATE	NA	1 U	1.1 U	1 U	1 UJ	1.1 UJ	1.1 UJ	1 U	1 U	1.1 U	1 U
ENDRIN	NA	0.58 U	0.62 U	0.58 U	0.59 UJ	0.61 UJ	0.61 UJ	0.59 U	0.58 U	0.62 U	0.59 U
ENDRIN ALDEHYDE	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	NA	0.73 U	0.79 U	0.73 U	0.75 U	0.77 U	0.77 U	0.74 U	0.73 U	0.78 U	0.75 U
GAMMA-BHC (LINDANE)	NA	0.86 U	0.92 U	0.85 U	0.88 UJ	0.9 UJ	0.9 UJ	0.87 U	0.86 U	0.91 U	0.88 U
GAMMA-CHLORDANE	NA	0.49 U	0.52 U	0.48 U	0.5 UJ	0.51 UJ	0.51 UJ	0.5 U	0.49 U	0.52 U	0.5 U
HEPTACHLOR	NA	1.3 U	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.4 U	1.3 U
HEPTACHLOR EPOXIDE	NA	0.93 U	1 U	0.92 U	0.95 UJ	0.97 UJ	0.97 UJ	0.94 U	0.93 U	0.99 U	0.95 U
METHOXYCHLOR	NA	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U	22 U	23 U	22 UJ
METALS (MG/KG)											
ANTIMONY	NA	0.22 B	0.19 B	0.072 B	0.11 B	0.084 B	0.36 J	0.12 B	0.18 B	0.39 J	0.28 J
ARSENIC	NA	3.9 J	4.6 J	2.6 J	2.1 J	2.4 J	4.3 J	1.3 J	2.5 J	7.2 J	3.2 L
BARIUM	NA	11.2	20.7	19.2	12.6	14.2	18	7	13.1	20.6	12.7 J
BERYLLIUM	NA	3.4	2.8	2.7	1.1	1.1	3	1.8	2.7	5	6.4 J
CADMIUM	NA	0.077 J	0.054 J	0.096 J	0.011 B	0.012 B	0.019 B	0.012 B	0.014 B	0.023 B	0.0092 U
CHROMIUM	NA	20 J	17.8 J	13.4 J	10.1 J	11.4 J	21.6 J	14.4 J	25.7 J	32.5 J	28.8 J
COBALT	NA	10.9 J	5.9 J	8.2 J	4.3 J	3 J	8.1 J	7.2 J	9.2 J	14.3 J	8
COPPER	NA	17.9 J	18.8 J	6.4 J	8.6 J	23.1 J	21.9 J	39 J	16.6 J	37 J	23.5
IRON	NA	31000 J	19200 J	5110 J	8650 J	6580 J	32800 J	23200 J	31400 J	60600 J	38700 J
LEAD	NA	4.9	10.4	5.6	4.8	6	6.7	4.4	4.4	6.3	6.7
MANGANESE	NA	33.6	31.6	9.7	30.9	14.9	64.2	52.5	55.4	142	66.4
MERCURY	NA	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U
MOLYBDENUM	NA	0.43	0.67	0.073 U	0.12 J	0.17 J	0.51	0.15 J	0.44	0.82	0.32
NICKEL	NA	31.6 J	15.7 J	17.6 J	9.1 J	6.3 J	24.4 J	18.1 J	25.4 J	37.6 J	22.4 J
SELENIUM	NA	2.3	2	4.5	1.3	1.5	1.8	1	0.89	1.4	1.1 J
SILVER	NA	0.019 UL	0.082 J	0.018 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.026 J	0.019 UJ
THALLIUM	NA	0.11 B	0.13 B	0.14 B	0.077 B	0.1 B	0.089 B	0.07 B	0.074 B	0.11 B	0.12
VANADIUM	NA	41 J	29.7 J	6.6 J	13.8 J	17.7 J	36.3 J	14.9 J	42.2 J	50.4 J	30.7
ZINC	NA	47.9 J	47 J	46.5 J	25 J	21.9 J	48.5 J	83.2 J	45.7 J	81.3 J	65.8
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	3200 B	6600 B	6500 B	4400 J	3400 U	3400 U	3300 U	3300 U	3500 U	3300 UJ
GASOLINE RANGE ORGANICS	NA	53 U	57 U	53 U	54 U	56 U	56 U	54 U	54 U	57 U	54 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	0.83 J	0.34 U	0.34 J	0.32 U	0.33 U	0.33 U	0.35 J	0.63 J	0.33 U	0.88 J
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.55 U	6.3 U	8.1 U	0.5 U	0.5 U	0.52 U	0.52 U	0.72 U	0.61 U	0.49 U
1,1,1-TRICHLOROETHANE	0.52 U	0.5 U	15 U	19 U	0.45 U	0.45 U	0.47 U	0.47 U	0.65 U	0.55 U	0.45 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.3 U	6.2 U	8 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	27 U	35 U	1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.3 U	1 U
1,1-DICHLOROETHANE	0.33 U	0.32 U	12 U	15 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
1,1-DICHLOROETHENE	0.48 U	0.46 U	13 U	16 U	0.42 U	0.42 U	0.44 U	0.44 U	0.61 U	0.51 U	0.41 U
1,1-DICHLOROPROPENE	0.28 U	0.27 U	7 U	8.9 U	0.24 U	0.24 U	0.25 U	0.25 U	0.35 U	0.29 U	0.24 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.34 U	7 U	8.9 U	0.3 U	0.31 U	0.32 U	0.32 U	0.44 U	0.37 U	0.3 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.8 U	15 U	19 U	0.72 U	0.73 U	0.76 U	0.76 U	1.1 U	0.88 U	0.72 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.12 U	3.2 J	0.16 J	0.14 U	0.14 U	0.14 U	0.2 U	0.17 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.24 U	5.1 U	6.5 U	0.22 U	0.22 U	0.23 U	0.23 U	0.32 U	0.26 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.58 U	3.5 U	4.5 U	0.52 U	0.53 U	0.55 U	0.55 U	0.76 U	0.64 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	35 U	45 U	1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.3 U	1 U
1,2-DIBROMOETHANE	0.46 U	0.44 U	7 U	8.9 U	0.4 U	0.41 U	0.42 U	0.42 U	0.58 U	0.49 U	0.4 U
1,2-DICHLOROBENZENE	0.33 U	0.32 U	6 U	7.7 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
1,2-DICHLOROETHANE	0.31 U	0.3 U	7 U	8.9 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,2-DICHLOROPROPANE	0.64 U	0.61 U	5.7 U	7.3 U	0.55 U	0.56 U	0.58 U	0.58 U	0.81 U	0.68 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.31 U	3.3 U	4.3 U	0.28 U	0.28 U	0.29 U	0.3 U	0.41 U	0.34 U	0.28 U
1,3-DICHLOROPROPANE	0.31 U	0.3 U	15 U	20 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.59 U	5.6 U	7.1 U	0.53 U	0.53 U	0.55 U	0.56 U	0.77 U	0.65 U	0.53 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.83 U	16 U	21 U	0.75 U	0.76 U	0.79 U	0.79 U	1.1 U	0.92 U	0.75 U
2-BUTANONE	1.3 U	3.3 J	120 B	38 U	1.1 U	1.1 U	1.2 U	1.7 J	1.6 U	1.9 J	1.3 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	30 U	38 U	1.1 U	1.1 U	1.2 U	1.2 U	1.6 U	1.4 U	1.1 U
2-CHLOROTOLUENE	0.37 U	0.36 U	6.3 U	8 U	0.32 U	0.32 U	0.34 U	0.34 U	0.47 U	0.39 U	0.32 U
2-HEXANONE	0.58 U	0.56 U	14 U	18 U	0.5 U	0.51 U	0.53 U	0.53 U	0.74 U	0.62 U	0.5 U
4-CHLOROTOLUENE	0.38 U	0.36 U	6.9 U	8.8 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
4-ISOPROPYLTOLUENE	0.19 U	0.19 U	3.3 U	4.3 U	0.17 U	0.17 U	0.18 U	0.18 U	0.25 U	0.21 U	0.17 U
4-METHYL-2-PENTANONE	0.5 U	0.48 U	33 U	43 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
ACETONE	28 B	200 B	260 B	350 B	16 B	29 B	100 B	200 B	18 B	22 B	230
BENZENE	0.21 U	0.2 U	10 J	20 J	3.4 J	0.19 U	0.19 U	0.19 U	0.27 U	0.23 U	0.18 U
BROMOBENZENE	0.3 U	0.29 U	9.1 U	12 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
BROMOCHLOROMETHANE	0.66 U	0.63 U	9.1 U	12 U	0.57 U	0.58 U	0.6 U	0.6 U	0.83 U	0.7 U	0.57 U
BROMODICHLOROMETHANE	0.26 U	0.25 U	6.9 U	8.8 U	0.22 U	0.23 U	0.24 U	0.24 U	0.33 U	0.27 U	0.22 U
BROMOFORM	0.3 U	0.29 U	13 U	17 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
BROMOMETHANE	0.5 U	0.48 U	20 U	26 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
CARBON DISULFIDE	1.2 B	0.39 U	8.4 U	11 U	0.35 U	0.73 B	0.37 U	0.78 B	1.1 B	1.1 B	0.35 U
CARBON TETRACHLORIDE	0.34 U	0.33 U	4.5 U	5.7 U	0.3 U	0.3 U	0.31 U	0.31 U	0.43 U	0.36 U	0.3 U
CHLOROBENZENE	0.3 U	0.29 U	4.5 U	5.7 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
CHLORODIBROMOMETHANE	0.51 U	0.49 U	8.4 U	11 U	0.44 U	0.45 U	0.46 U	0.46 U	0.64 U	0.54 U	0.44 U
CHLOROETHANE	0.79 U	0.76 U	42 U	54 U	0.69 U	0.7 U	0.72 U	0.73 U	1 U	0.84 U	0.69 U
CHLOROFORM	0.27 U	0.26 U	6.1 U	7.9 U	0.23 U	0.23 U	0.24 U	0.24 U	0.34 U	0.28 U	0.23 U
CHLOROMETHANE	0.7 J	0.36 U	9.8 U	13 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.32 U	4.8 U	6.2 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.3 U	5.5 U	7.1 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
DIBROMOMETHANE	0.58 U	0.56 U	9.8 U	13 U	0.5 U	0.51 U	0.53 U	0.53 U	0.74 U	0.62 U	0.5 U
DICHLORODIFLUOROMETHANE	0.46 U	0.44 U	11 U	14 U	0.4 U	0.41 U	0.42 U	0.42 U	0.58 U	0.49 U	0.4 U
DIISOPROPYL ETHER	1.4 U	1.3 U	35 U	45 U	1.2 U	1.2 U	1.3 U	1.3 U	1.8 U	1.5 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.2 U	0.15 U	0.2 U	0.18 U	0.18 U	0.18 U	0.19 U	0.26 U	0.22 U	0.18 U
ETHYLBENZENE	0.24 U	0.23 U	3.8 U	9.2 J	0.35 J	0.21 U	0.22 U	0.22 U	0.3 U	0.25 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1.1 U	9.8 U	13 U	0.96 U	0.97 U	1 U	1 U	1.4 U	1.2 U	0.96 U
ISOPROPYLBENZENE	0.15 U	0.14 U	4.5 U	5.8 U	0.13 U	0.13 U	0.13 U	0.13 U	0.19 U	0.16 U	0.13 U
M+P-XYLENES	1.1 U	1.1 U	12 J	20 J	0.96 U	0.97 U	1 U	1 U	1.4 U	1.2 U	0.96 U
METHYL TERT-BUTYL ETHER	0.4 U	0.38 UJ	4.9 UJ	6.3 UJ	0.34 UJ	0.35 UJ	0.36 UJ	0.36 UJ	0.5 UJ	0.42 UJ	0.34 UJ
METHYLENE CHLORIDE	0.62 U	0.59 U	74 J	77 J	0.54 U	0.54 U	0.56 U	0.57 U	0.78 U	0.66 U	0.53 U
NAPHTHALENE	0.81 B	0.81 B	260	530	47	0.76 B	0.77 B	0.76 B	1.1 B	0.87 B	0.73 B
N-BUTYLBENZENE	0.21 U	0.2 U	5.6 U	7.1 U	0.18 U	0.19 U	0.19 U	0.19 U	0.27 U	0.23 U	0.18 U
N-PROPYLBENZENE	0.37 U	0.36 U	9.8 U	13 U	0.32 U	0.32 U	0.34 U	0.34 U	0.47 U	0.39 U	0.32 U
O-XYLENE	0.32 U	0.31 U	6.3 J	12 J	0.57 J	0.28 U	0.29 U	0.3 U	0.41 U	0.34 U	0.28 U
SEC-BUTYLBENZENE	0.17 U	0.16 U	3.3 U	4.2 U	0.14 U	0.15 U	0.15 U	0.15 U	0.21 U	0.18 U	0.14 U
STYRENE	0.14 U	0.13 U	3.9 U	5 U	0.12 U	0.12 U	0.13 U	0.13 U	0.18 U	0.15 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.33 UJ	0.26 UJ	0.33 UJ	0.3 UJ	0.3 UJ	0.31 UJ	0.31 UJ	0.43 UJ	0.36 UJ	0.3 UJ
TERT-BUTYLBENZENE	0.27 U	0.26 U	4.5 U	5.8 U	0.23 U	0.23 U	0.24 U	0.24 U	0.34 U	0.28 U	0.23 U
TERTIARY-BUTYL ALCOHOL	49 B	6.7 UR	2200 B	2800 B	43 B	6.2 UR	45 B	45 B	8.9 UR	52 B	6.1 UR
TETRACHLOROETHENE	0.48 U	0.46 U	8.4 U	11 U	0.42 U	0.42 U	0.44 U	0.44 U	0.61 U	0.51 U	0.41 U
TOLUENE	0.25 U	0.24 U	13 J	31 J	0.58 J	0.22 U	0.23 U	0.23 U	0.43 J	0.4 J	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.59 U	18 J	32 J	1 J	0.54 U	0.56 U	0.57 U	0.78 U	0.66 U	0.53 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.36 U	6.4 U	8.2 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.48 U	14 U	18 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
TRICHLOROETHENE	0.39 U	0.37 U	6.8 U	8.7 U	0.34 U	0.34 U	0.35 U	0.35 U	0.49 U	0.41 U	0.33 U
TRICHLOROFLUOROMETHANE	0.31 U	0.3 U	11 U	14 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
VINYL ACETATE	0.23 U	0.22 U	16 U	21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.29 U	0.24 U	0.2 U
VINYL CHLORIDE	0.36 U	0.35 U	13 U	16 U	0.31 U	0.32 U	0.33 U	0.33 U	0.46 U	0.38 U	0.31 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	26 U	25 U	27 U	25 U	25 U	26 U	25 U	26 U	27 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	29 U	30 U	28 U	29 U	29 U	28 U	30 U	31 U	29 U
2,4,6-TRICHLOROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	24 U	23 U	23 U	24 U	22 U	23 U	23 U	22 U	24 U	25 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U	23 U	24 U	22 U	23 U	23 U	22 U	24 U	25 U	23 U
2,4-DINITROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
2,4-DINITROTOLUENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
2,6-DINITROTOLUENE	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
2-CHLORONAPHTHALENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
2-CHLOROPHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
2-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
2-NITROANILINE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
2-NITROPHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U	21 U	22 U	20 U	21 U	21 U	20 U	22 U	22 U	21 U
3-NITROANILINE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
4,6-DINITRO-2-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
4-CHLOROANILINE	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
4-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
4-NITROANILINE	32 U	30 U	30 U	31 U	29 U	30 U	30 U	29 U	31 U	32 U	30 U
4-NITROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
ACETOPHENONE	11 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	14 U	14 U	14 U	13 U	14 U	14 U	13 U	14 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	26 U	25 U	27 U	25 U	25 U	26 U	25 U	26 U	27 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.3 U	2.4 U	2.2 U	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U	22 U	23 U	21 U	22 U	22 U	21 U	23 U	24 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U
CAPROLACTAM	45 U	43 U	42 U	45 U	42 U	42 U	43 U	42 U	45 U	46 U	43 U
CARBAZOLE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
DIBENZOFURAN	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
DIETHYL PHTHALATE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
DIMETHYL PHTHALATE	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	19 U	17 U
DI-N-OCTYL PHTHALATE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROBENZENE	2.6 U	2.5 U	2.4 U	2.5 U	2.4 U	2.4 U	2.5 U	2.4 U	2.5 U	2.6 U	2.4 U
HEXACHLOROBUTADIENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROCYCLOPENTADIENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROETHANE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	10 U
ISOPHORONE	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
NITROBENZENE	2.7 U	2.6 U	2.5 U	2.7 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.7 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
N-NITROSODIPHENYLAMINE	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
PENTACHLOROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
PHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ACENAPHTHENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ACENAPHTHYLENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ANTHRACENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BAP EQUIVALENT-HALFND	18	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BAP EQUIVALENT-POS	16	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(A)ANTHRACENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(A)PYRENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(B)FLUORANTHENE	17	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(K)FLUORANTHENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	11	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
FLUORANTHENE	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
FLUORENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	9.1	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
NAPHTHALENE	4 U	3.9 U	3.8 U	11	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
PHENANTHRENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
PYRENE	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
TOTAL PAHS	101.1	0 U	0 U	11	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.75 UJ	0.72 UJ	0.71 U	0.75 U	0.7 UJ	0.71 UJ	0.72 UJ	0.7 UJ	0.75 UJ	0.77 UJ	0.72 UJ
4,4'-DDE	0.47 U	0.46 U	0.45 U	0.47 U	0.44 U	0.45 U	0.46 U	0.44 U	0.47 U	0.48 U	0.45 U
4,4'-DDT	0.77 UJ	0.74 UJ	0.72 U	0.76 U	0.71 UJ	0.72 UJ	0.74 UJ	0.71 UJ	0.76 UJ	0.78 UJ	0.73 UJ
ALDRIN	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.4 U
ALPHA-BHC	0.89 U	0.85 U	0.83 UJ	0.88 UJ	0.82 U	0.83 U	0.85 U	0.82 U	0.88 U	0.9 U	0.84 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
AROCLOR-1016	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
AROCLOR-1221	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
AROCLOR-1232	17 U	16 U	16 U	17 U	16 U	16 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
AROCLOR-1248	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
AROCLOR-1254	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
AROCLOR-1260	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.4 U	1.3 U
DELTA-BHC	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.4 U
DIELDRIN	0.57 U	0.55 U	0.54 U	0.57 U	0.53 U	0.54 U	0.55 U	0.53 U	0.57 U	0.58 U	0.54 U
ENDOSULFAN I	0.63 U	0.61 U	0.59 U	0.63 U	0.58 U	0.59 U	0.61 U	0.58 U	0.63 U	0.64 U	0.6 U
ENDOSULFAN II	1 U	0.96 U	0.94 U	0.99 U	0.92 U	0.94 U	0.96 U	0.92 U	0.99 U	1 U	0.95 U
ENDOSULFAN SULFATE	1.1 U	1 U	0.99 U	1.1 U	0.98 U	0.99 U	1 U	0.98 U	1 U	1.1 U	1 U
ENDRIN	0.61 U	0.58 U	0.57 U	0.6 U	0.56 U	0.57 U	0.58 U	0.56 U	0.6 UJ	0.62 UJ	0.58 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.74 U	0.72 U	0.76 U	0.71 U	0.72 U	0.74 U	0.71 U	0.76 U	0.78 U	0.73 U
GAMMA-BHC (LINDANE)	0.9 U	0.86 U	0.85 UJ	0.89 UJ	0.83 U	0.84 U	0.86 U	0.83 U	0.89 U	0.92 U	0.86 U
GAMMA-CHLORDANE	0.51 U	0.49 U	0.48 U	0.51 U	0.47 U	0.48 U	0.49 U	0.47 U	0.51 U	0.52 U	0.49 U
HEPTACHLOR	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.2 U	1.3 U	1.3 U	1.2 U	1.3 UJ	1.4 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.97 U	0.93 U	0.91 UJ	0.97 UJ	0.9 U	0.91 U	0.93 U	0.9 U	0.96 U	0.99 U	0.92 U
METHOXYCHLOR	1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 UJ	1.9 UJ	1.7 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 UJ	22 UJ	22 U	23 U	21 UJ	22 UJ	22 UJ	21 UJ	23 U	24 U	22 U
METALS (MG/KG)											
ANTIMONY	0.12 J	0.28 J	0.027 UL	0.075 J	0.064 J	0.33 J	0.22 J	0.027 UL	0.43 J	0.31 J	0.39 J
ARSENIC	3.1 L	3.8 L	2.5	1.3	0.88 L	5 L	5.4 L	1.7 L	5.6	7.5	5.2
BARIUM	15.1 J	10.9 J	6.8 J	14.4 J	4.4 J	10.8 J	15.7 J	10.7 J	25.2	10.8	23
BERYLLIUM	4.6 J	4.5 J	0.31	0.98	0.3 J	2.8 J	3.7 J	1.7 J	0.057 U	0.058 U	5.5
CADMIUM	0.12 K	0.013 B	0.023 J	0.041 J	0.034 J	0.078 J	0.091 J	0.077 J	0.034 J	0.021 B	0.031 B
CHROMIUM	23.2 J	28.7 J	3.8	18.9	2.1 J	28.9 J	27.8 J	4.7 J	34	30.2	30.9
COBALT	13.7	8.6	1.5	8.5	1.9	7.5	11.7	4.8	12.3	5.1	11.2
COPPER	56.2	14.6	3.1 J	4.9 J	5	10.5	15.4	5	22.5 L	24 L	20.5 L
IRON	34200 J	37900 J	1830 J	13500 J	462 J	33800 J	21700 J	1020 J	49900	42200	43700
LEAD	14	4.8	2.8 J	3.8 J	1.3	12.3	8.2	3.5	9.8	6.4	8.6
MANGANESE	96	54.1	3.1 J	5.6 J	1.6	20.4	15.9	6.9	104	38.8	93.6
MERCURY	0.059 J	0.018 U	0.017 U	0.018 U	0.017 U	0.017 U	0.018 U	0.017 U	0.018 U	0.019 U	0.017 U
MOLYBDENUM	0.6	0.55	0.072 U	0.13 J	0.095 J	0.78	0.31	0.18 J	0.77	0.77	0.7
NICKEL	32.8 J	27.7 J	2.5 J	14 J	3.2 J	16.1 J	25 J	9.1 J	37.6	16.9	34.8
SELENIUM	1.1 J	1.5 L	4.6 L	2 L	0.57 J	1.5 L	1.6 L	1.8 L	1.8 J	0.6 J	1.7 J
SILVER	0.029 J	0.019 UJ	0.018 U	0.019 U	0.047 J	0.018 UJ	0.019 UJ	0.026 J	0.019 U	0.02 U	0.018 U
THALLIUM	0.094 B	0.084 B	0.037 J	0.12 L	0.064 B	0.056 B	0.11 J	0.07 B	0.15 J	0.052 J	0.13 B
VANADIUM	34.4	48.3	4.6	16.5	1.6	66.9	54.8	6	40	64.7	36.7
ZINC	114	42.5	3.4 J	16.9 J	4.7	27.2	45.3	23.5	70.5 J	26.5 J	64.2 J
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	17000	3300 U	3200 U	4300 J	3800 J	3200 UJ	3300 UJ	3100 UJ	3400 U	4600 J	3200 U
GASOLINE RANGE ORGANICS	56 U	54 U	53 U	79 J	52 U	52 U	54 U	52 U	55 U	57 U	53 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.33 U	0.8 J	0.31 U	0.55 J	0.3 U	0.31 U	0.32 U	0.32 J	0.32 U	0.79 J	0.31 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	0.51 U	0.52 U	0.55 U	0.57 U	0.55 U	0.51 U	0.53 U	0.65 U	0.57 U	0.54 U	0.57 U
1,1,1-TRICHLOROETHANE	0.46 U	0.47 U	0.5 U	0.52 U	0.5 U	0.46 U	0.48 U	0.59 U	0.51 U	0.49 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.4 U	1.2 U	1.1 U	1.2 U
1,1-DICHLOROETHANE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
1,1-DICHLOROETHENE	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U	0.43 U	0.45 U	0.54 U	0.48 U	0.45 U	0.48 U
1,1-DICHLOROPROPENE	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U	0.25 U	0.26 U	0.31 U	0.27 U	0.26 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.31 U	0.32 U	0.34 U	0.35 U	0.34 U	0.31 U	0.33 U	0.4 U	0.35 U	0.33 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.74 U	0.75 U	0.8 U	0.83 U	0.8 U	0.75 U	0.77 U	0.94 U	0.82 U	0.78 U	0.82 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.15 U	0.18 U	0.16 U	0.15 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U	0.25 U	0.23 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.53 U	0.54 U	0.58 U	0.6 U	0.58 U	0.54 U	0.56 U	0.68 U	0.59 U	0.56 U	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.4 U	1.2 U	1.1 U	1.2 U
1,2-DIBROMOETHANE	0.41 U	0.42 U	0.45 U	0.46 U	0.44 U	0.41 U	0.43 U	0.52 U	0.46 U	0.43 U	0.46 U
1,2-DICHLOROBENZENE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
1,2-DICHLOROETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,2-DICHLOROPROPANE	0.57 U	0.57 U	0.62 U	0.64 U	0.61 U	0.57 U	0.59 U	0.72 U	0.63 U	0.6 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U	0.32 U	0.3 U	0.32 U
1,3-DICHLOROPROPANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.54 U	0.55 U	0.59 U	0.61 U	0.59 U	0.55 U	0.57 U	0.69 U	0.6 U	0.57 U	0.6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.77 U	0.78 U	0.84 U	0.87 U	0.84 U	0.78 U	0.8 U	0.98 U	0.86 U	0.82 U	0.86 U
2-BUTANONE	1.1 U	1.2 U	1.7 J	1.3 U	1.2 U	1.2 U	1.2 U	4 J	1.3 U	1.2 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1.1 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.5 U	1.3 U	1.2 U	1.3 U
2-CHLOROTOLUENE	0.33 U	0.33 U	0.36 U	0.37 U	0.36 U	0.33 U	0.34 U	0.42 U	0.37 U	0.35 U	0.37 U
2-HEXANONE	0.52 U	0.52 U	0.56 U	0.58 U	0.56 U	0.52 U	0.54 U	0.66 U	0.58 U	0.55 U	0.58 U
4-CHLOROTOLUENE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
4-ISOPROPYLTOLUENE	0.17 U	0.17 U	0.19 U	0.19 U	0.19 U	0.17 U	0.18 U	0.22 U	0.19 U	0.18 U	0.19 U
4-METHYL-2-PENTANONE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
ACETONE	30 B	5.2 U	100	150 U	110	19 B	5.4 U	60 B	11 B	130 B	38 B
BENZENE	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U	0.21 U	0.2 U	0.21 U
BROMOBENZENE	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
BROMOCHLOROMETHANE	0.58 U	0.59 U	0.64 U	0.66 U	0.63 U	0.59 U	0.61 U	0.74 U	0.65 U	0.62 U	0.65 U
BROMODICHLOROMETHANE	0.23 U	0.23 U	0.25 U	0.26 U	0.25 U	0.23 U	0.24 U	0.29 U	0.26 U	0.24 U	0.26 U
BROMOFORM	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
BROMOMETHANE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
CARBON DISULFIDE	0.36 U	0.37 U	0.39 U	0.41 U	0.39 U	0.36 U	0.38 U	4.3 B	0.4 U	0.38 U	0.4 U
CARBON TETRACHLORIDE	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U	0.34 U	0.32 U	0.34 U
CHLOROBENZENE	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
CHLORODIBROMOMETHANE	0.45 U	0.46 U	0.49 U	0.51 U	0.49 U	0.46 U	0.47 U	0.58 U	0.5 U	0.48 U	0.5 U
CHLOROETHANE	0.71 U	0.72 U	0.77 U	0.79 U	0.76 U	0.71 U	0.74 U	0.9 U	0.79 U	0.75 U	0.79 U
CHLOROFORM	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U	0.24 U	0.25 U	0.3 U	0.27 U	0.25 U	0.27 U
CHLOROMETHANE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
DIBROMOMETHANE	0.52 U	0.52 U	0.56 U	0.58 U	0.56 U	0.52 U	0.54 U	0.66 U	0.58 U	0.55 U	0.58 U
DICHLORODIFLUOROMETHANE	0.41 U	0.42 U	0.45 U	0.46 U	0.44 U	0.41 U	0.43 U	0.52 U	0.46 U	0.43 U	0.46 U
DIISOPROPYL ETHER	1.2 U	1.2 U	1.3 U	1.4 U	1.3 U	1.2 U	1.3 U	1.6 U	1.4 U	1.3 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.18 U	0.2 U	0.2 U	0.2 U	0.18 U	0.19 U	0.23 U	0.2 U	0.19 U	0.2 U
ETHYLBENZENE	0.21 U	0.22 U	0.23 U	0.24 U	0.23 U	0.22 U	0.22 U	0.27 U	0.24 U	0.23 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U	1.1 U	1 U	1.1 U
ISOPROPYLBENZENE	0.13 U	0.13 U	0.14 U	0.15 U	0.14 U	0.13 U	0.14 U	0.17 U	0.15 U	0.14 U	0.15 U
M+P-XYLENES	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U	1.1 U	1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.35 U	0.36 U	0.38 U	0.4 U	0.38 U	0.36 U	0.37 UJ	0.45 UJ	0.39 UJ	0.37 UJ	0.39 UJ
METHYLENE CHLORIDE	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.81 B	0.82 B	0.9 B	1.1 B	0.77 B
NAPHTHALENE	0.16 U	0.16 U	0.17 U	0.18 U	0.17 U	0.16 U	0.79 B	1 B	0.83 B	0.8 B	0.79 B
N-BUTYLBENZENE	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U	0.21 U	0.2 U	0.21 U
N-PROPYLBENZENE	0.33 U	0.33 U	0.36 U	0.37 U	0.36 U	0.33 U	0.34 U	0.42 U	0.37 U	0.35 U	0.37 U
O-XYLENE	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U	0.32 U	0.3 U	0.32 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	0.16 U	0.17 U	0.16 U	0.15 U	0.15 U	0.19 U	0.16 U	0.16 U	0.16 U
STYRENE	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U	0.13 U	0.16 J	0.14 U	0.13 U	0.14 U
TERT-AMYL METHYL ETHER	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U	0.34 U	0.32 U	0.34 U
TERT-BUTYLBENZENE	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U	0.24 U	0.25 U	0.3 U	0.27 U	0.25 U	0.27 U
TERTIARY-BUTYL ALCOHOL	6.2 UR	6.3 UR	6.8 UR	7 UR	6.8 UR	6.3 UR	45 B	58 B	48 B	6.6 UR	48 B
TETRACHLOROETHENE	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U	0.43 U	0.45 U	0.54 U	0.48 U	0.45 U	0.48 U
TOLUENE	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U	0.25 U	0.23 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.57 U	0.7 U	0.61 U	0.58 U	0.61 U
TRANS-1,2-DICHLOROETHENE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
TRICHLOROETHENE	0.34 U	0.35 U	0.38 U	0.39 U	0.37 U	0.35 U	0.36 U	0.44 U	0.38 U	0.36 U	0.38 U
TRICHLOROFLUOROMETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
VINYL ACETATE	0.21 U	0.21 U	0.22 U	0.23 U	0.22 U	0.21 U	0.21 U	0.26 U	0.23 U	0.22 U	0.23 U
VINYL CHLORIDE	0.32 U	0.32 U	0.35 U	0.36 U	0.35 U	0.32 U	0.33 U	0.41 U	0.36 U	0.34 U	0.36 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	27 U	26 U	27 U	26 U	26 U	25 U	26 U	27 U	25 U	28 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U
2,4,5-TRICHLOROPHENOL	29 U	30 U	29 U	31 U	30 U	29 U	29 U	30 U	31 U	29 U	31 U
2,4,6-TRICHLOROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
2,4-DICHLOROPHENOL	23 U	24 U	23 U	25 U	24 U	23 U	23 U	24 U	25 U	23 U	25 U
2,4-DIMETHYLPHENOL	23 U	24 U	23 U	25 U	24 U	23 U	23 U	24 U	25 U	23 U	25 U
2,4-DINITROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
2,4-DINITROTOLUENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
2,6-DINITROTOLUENE	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
2-CHLORONAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
2-CHLOROPHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
2-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	22 U	21 U	22 U	22 U	21 U	21 U	21 U	22 U	21 U	23 U
3-NITROANILINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
4-BROMOPHENYL PHENYL ETHER	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
4-CHLOROANILINE	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
4-CHLOROPHENYL PHENYL ETHER	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
4-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
4-NITROANILINE	30 U	31 U	30 U	32 U	31 U	30 U	30 U	31 U	32 U	30 U	33 U
4-NITROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	15 U	14 U	14 U	14 U	14 U	15 U	14 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	27 U	26 U	27 U	26 U	26 U	25 U	26 U	27 U	25 U	28 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.4 U	2.3 U	2.5 U	2.4 U	2.3 U	2.3 U	2.4 U	2.5 U	2.3 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	23 U	22 U	23 U	140	22 U	22 U	23 J	23 U	22 U	110
BUTYL BENZYL PHTHALATE	12 U	29 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	13 U
CAPROLACTAM	43 U	45 U	43 U	46 U	44 U	43 U	43 U	44 U	46 U	43 U	46 U
CARBAZOLE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
DIBENZOFURAN	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
DIETHYL PHTHALATE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
DIMETHYL PHTHALATE	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
DI-N-BUTYL PHTHALATE	18 U	18 U	17 U	18 U	18 U	17 U	17 U	18 U	19 U	17 U	19 U
DI-N-OCTYL PHTHALATE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROBENZENE	2.5 U	2.5 U	2.4 U	2.6 U	2.5 U	2.4 U	2.4 U	2.5 U	2.6 U	2.4 U	2.6 U
HEXACHLOROBUTADIENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROCYCLOPENTADIENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROETHANE	11 U	11 U	10 U	11 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
ISOPHORONE	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
NITROBENZENE	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.5 U	2.6 U	2.7 U	2.5 U	2.8 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
N-NITROSODIPHENYLAMINE	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
PENTACHLOROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
PHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ACENAPHTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ACENAPHTHYLENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BAP EQUIVALENT-HALFND	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BAP EQUIVALENT-POS	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(A)ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(A)PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(B)FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(K)FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
FLUORENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
NAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
PHENANTHRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.73 UJ	0.75 UJ	0.72 UJ	0.76 U	0.74 U	0.72 UJ	0.72 U	0.74 U	0.77 U	0.72 U	0.78 U
4,4'-DDE	0.46 U	0.47 U	0.45 U	0.48 U	0.47 U	0.45 U	0.45 U	0.46 U	0.48 U	0.45 U	0.49 U
4,4'-DDT	0.74 U	0.76 U	0.73 UJ	0.78 U	0.76 U	0.73 U	0.73 U	0.75 U	0.78 U	0.73 U	0.79 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U
ALPHA-BHC	0.86 U	0.88 U	0.85 U	0.9 U	0.88 U	0.85 U	0.84 U	0.87 U	0.9 U	0.84 U	0.91 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
AROCLOR-1016	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
AROCLOR-1232	16 U	17 U	16 U	17 U	17 U	16 U	16 U	17 U	17 U	16 U	18 U
AROCLOR-1242	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
AROCLOR-1248	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
AROCLOR-1254	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
AROCLOR-1260	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U
DIELDRIN	0.55 U	0.57 U	0.55 U	0.58 U	0.56 U	0.55 U	0.54 U	0.56 U	0.58 U	0.54 U	0.59 U
ENDOSULFAN I	0.61 U	0.63 U	0.6 U	0.64 U	0.62 U	0.61 U	0.6 U	0.62 U	0.64 U	0.6 U	0.65 U
ENDOSULFAN II	0.96 U	0.99 U	0.95 U	1 U	0.98 U	0.96 U	0.95 U	0.97 U	1 U	0.95 U	1 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
ENDRIN	0.59 UJ	0.6 UJ	0.58 UJ	0.62 U	0.6 U	0.58 UJ	0.58 U	0.59 U	0.62 U	0.58 U	0.63 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U
ENDRIN KETONE	0.74 U	0.76 U	0.73 U	0.78 U	0.76 U	0.73 U	0.73 U	0.75 U	0.78 U	0.73 U	0.79 U
GAMMA-BHC (LINDANE)	0.87 U	0.89 U	0.86 U	0.91 UJ	0.89 UJ	0.86 U	0.86 U	0.88 U	0.91 U	0.86 U	0.93 U
GAMMA-CHLORDANE	0.49 U	0.51 U	0.49 U	0.52 U	0.5 U	0.49 U	0.49 U	0.5 U	0.52 U	0.49 U	0.53 U
HEPTACHLOR	1.3 UJ	1.3 UJ	1.3 UJ	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.4 UJ	1.3 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.94 U	0.96 U	0.93 U	0.98 U	0.96 U	0.93 U	0.93 U	0.95 U	0.99 U	0.93 U	1 U
METHOXYCHLOR	1.8 UJ	1.8 UJ	1.7 UJ	1.8 U	1.8 U	1.7 UJ	1.7 UJ	1.8 UJ	1.9 UJ	1.7 UJ	1.9 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	23 U	22 U	23 U	23 U	22 U	22 U	23 U	23 U	22 U	24 U
METALS (MG/KG)											
ANTIMONY	0.14 J	0.47 J	0.32 J	0.051 J	0.41 J	0.22 J	0.11 B	0.18 B	0.68 J	0.14 B	0.83 J
ARSENIC	2.8	6.8	4.5	2.1	5	3.3	3.9 L	2.8 L	8.2 L	3.3 L	5 J
BARIUM	11.3	23.6	16.7	16.1	14	20.9	7.3	7.2	14.3	11.5	10.3
BERYLLIUM	1.8	10.5	7.2	1.6	4.2	4.2	1 J	1.3 J	3.5 J	2.1 J	6.4 J
CADMIUM	0.013 B	0.041 J	0.034 J	0.0096 UL	0.025 B	0.027 B	0.015 B	0.017 B	0.025 B	0.019 B	0.027 B
CHROMIUM	13.7	33.3	27.8	9.4	22.1	22.7	15.9	20.6	56.1	26.3	54.8
COBALT	5.7	21.3	18.1	2.6	8.8	7.4	3.7	5.9	13.5	8.7	13.6
COPPER	14.5 L	48.6 L	23.5 L	12.8 L	20.1 L	18.5 L	6.1	12.5	30.2	17.8	47.9
IRON	18400	85000	43700	6230	36600	28600	17100	26600	87200	34100	134000
LEAD	4.5	10.3	5.9	3.6	7.4	4.2	5.6	4.9	18.4	6.7	15.9
MANGANESE	49	341	106	5.2	107	47.2	7.4 J	11.7 J	23.8 J	20.8 J	31.1 J
MERCURY	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.017 U	0.017 U	0.018 U	0.019 U	0.017 U	0.019 U
MOLYBDENUM	0.22 J	1	0.67	0.11 J	0.6	0.46	0.28	0.61	1.5	0.54	1.5
NICKEL	15.7	54.1	41.7	5.4	27.6	24.6	9.3	17.7	27.9	16.1	37.5
SELENIUM	1.8 J	1.6 J	1.5 J	1.4 J	3.3 J	2.3 J	4.9 L	1.4 L	1.3 L	1 L	0.97 L
SILVER	0.019 U	0.029 B	0.024 B	0.02 U	0.019 U	0.019 U	0.019 U	0.019 U	0.02 U	0.021 B	0.02 B
THALLIUM	0.057 B	0.11 B	0.086 B	0.088 B	0.094 B	0.089 B	0.06 J	0.051 J	0.1 J	0.06 J	0.068 J
VANADIUM	24.8	66.2	56.5	17.1	35.1	38.5	23.5	44.3	102	55.7	111
ZINC	24.8 J	96.2 J	66.4 J	8.9 J	36.9 J	34 J	11.1	17.8	37.2	24.1	45.2
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	3700 J	3400 U	3300 U	3400 J	3400 U	3300 U	3200 U	3300 U	3500 U	4500 J	4800 J
GASOLINE RANGE ORGANICS	54 U	55 U	53 U	57 U	55 U	54 U	53 U	55 U	57 U	53 U	58 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.32 U	0.36 J	0.31 U	0.49 J	0.32 U	0.31 J	0.32 J	0.32 U	0.33 U	0.31 U	0.34 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	0.58 U	0.58 U	0.56 U	0.56 U	0.54 U	0.54 U	0.55 U	0.63 U	0.62 U	0.64 U	0.5 U
1,1,1-TRICHLOROETHANE	0.53 U	0.52 U	0.51 U	0.5 U	0.49 U	0.49 U	0.49 U	0.57 U	0.56 U	0.58 U	0.45 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.3 U	1.3 U	1.3 U	1 U
1,1-DICHLOROETHANE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U
1,1-DICHLOROETHENE	0.49 U	0.48 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.53 U	0.52 U	0.54 U	0.42 U
1,1-DICHLOROPROPENE	0.28 U	0.28 U	0.27 U	0.27 U	0.26 U	0.26 U	0.26 U	0.3 U	0.3 U	0.31 U	0.24 U
1,2,3-TRICHLOROBENZENE	0.36 U	0.35 U	0.34 U	0.34 U	0.33 U	0.33 U	0.33 U	0.39 U	0.38 U	0.39 U	0.31 U
1,2,3-TRICHLOROPROPANE	0.84 U	0.83 U	0.81 U	0.81 U	0.78 U	0.79 U	0.79 U	0.91 U	0.9 U	0.93 U	0.73 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U	0.17 U	0.18 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U	0.27 U	0.28 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.61 U	0.6 U	0.59 U	0.58 U	0.57 U	0.57 U	0.57 U	0.66 U	0.65 U	0.67 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.3 U	1.3 U	1.3 U	1 U
1,2-DIBROMOETHANE	0.47 U	0.46 U	0.45 U	0.45 U	0.43 U	0.44 U	0.44 U	0.51 U	0.5 U	0.52 U	0.4 U
1,2-DICHLOROBENZENE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U
1,2-DICHLOROETHANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U
1,2-DICHLOROPROPANE	0.65 U	0.64 U	0.62 U	0.62 U	0.6 U	0.6 U	0.61 U	0.7 U	0.69 U	0.71 U	0.56 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U	0.35 U	0.36 U	0.28 U
1,3-DICHLOROPROPANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.62 U	0.61 U	0.6 U	0.59 U	0.57 U	0.58 U	0.58 U	0.67 U	0.66 U	0.68 U	0.53 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.88 U	0.87 U	0.85 U	0.84 U	0.82 U	0.82 U	0.83 U	0.95 U	0.94 U	0.97 U	0.76 U
2-BUTANONE	2 J	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U	1.4 U	1.4 U	1.1 U
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U	1.4 U	1.4 U	1.1 U
2-CHLOROTOLUENE	0.38 U	0.37 U	0.36 U	0.36 U	0.35 U	0.35 U	0.35 U	0.41 U	0.4 U	0.41 U	0.32 U
2-HEXANONE	0.59 U	0.58 U	0.57 U	0.56 U	0.55 U	0.55 U	0.56 U	0.64 U	0.63 U	0.65 U	0.51 U
4-CHLOROTOLUENE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U
4-ISOPROPYLTOLUENE	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U	0.21 U	0.21 U	0.22 U	0.17 U
4-METHYL-2-PENTANONE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U
ACETONE	170 B	5.8 U	5.7 U	5.6 U	5.5 U	5.5 U	8.1 B	16 B	6.3 U	6.5 U	5.1 U
BENZENE	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U	0.23 U	0.24 U	0.19 U
BROMOBENZENE	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U
BROMOCHLOROMETHANE	0.67 U	0.66 U	0.64 U	0.64 U	0.62 U	0.62 U	0.63 U	0.72 U	0.71 U	0.73 U	0.57 U
BROMODICHLOROMETHANE	0.26 U	0.26 U	0.25 U	0.25 U	0.24 U	0.24 U	0.25 U	0.28 U	0.28 U	0.29 U	0.23 U
BROMOFORM	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U
BROMOMETHANE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U
CARBON DISULFIDE	0.41 U	0.41 U	0.4 U	0.39 U	0.38 U	0.38 U	0.39 U	0.45 U	0.91 B	1 B	0.36 U
CARBON TETRACHLORIDE	0.35 U	0.34 U	0.33 U	0.33 U	0.32 U	0.32 U	0.33 U	0.38 U	0.37 U	0.38 U	0.3 U
CHLOROBENZENE	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U
CHLORODIBROMOMETHANE	0.52 U	0.51 U	0.5 U	0.49 U	0.48 U	0.48 U	0.48 U	0.56 U	0.55 U	0.57 U	0.44 U
CHLOROETHANE	0.81 U	0.8 U	0.78 U	0.77 U	0.75 U	0.75 U	0.76 U	0.87 U	0.86 U	0.89 U	0.69 U
CHLOROFORM	0.27 U	0.27 U	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.29 U	0.29 U	0.3 U	0.23 U
CHLOROMETHANE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U
CIS-1,2-DICHLOROETHENE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U
CIS-1,3-DICHLOROPROPENE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U
DIBROMOMETHANE	0.59 U	0.58 U	0.57 U	0.56 U	0.55 U	0.55 U	0.56 U	0.64 U	0.63 U	0.65 U	0.51 U
DICHLORODIFLUOROMETHANE	0.47 U	0.46 U	0.45 U	0.45 U	0.43 U	0.44 U	0.44 U	0.51 U	0.5 U	0.52 U	0.4 U
DIISOPROPYL ETHER	1.4 U	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.5 U	1.5 U	1.5 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.21 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.22 U	0.22 U	0.23 U	0.18 U
ETHYLBENZENE	0.24 U	0.24 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.26 U	0.27 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	0.97 U
ISOPROPYLBENZENE	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.16 U	0.16 U	0.13 U
M+P-XYLENES	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	0.97 U
METHYL TERT-BUTYL ETHER	0.4 UJ	0.4 UJ	0.39 UJ	0.38 UJ	0.37 U	0.38 UJ	0.38 UJ	0.44 UJ	0.43 UJ	0.44 UJ	0.35 UJ
METHYLENE CHLORIDE	1.9 B	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	1.2 B	1.1 B	0.69 U	0.78 B
NAPHTHALENE	0.87 B	0.18 U	0.17 U	0.17 U	0.17 U	0.75 B	0.77 B	0.88 B	0.86 B	0.92 B	0.69 B
N-BUTYLBENZENE	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U	0.23 U	0.24 U	0.19 U
N-PROPYLBENZENE	0.38 U	0.37 U	0.36 U	0.36 U	0.35 U	0.35 U	0.35 U	0.41 U	0.4 U	0.41 U	0.32 U
O-XYLENE	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U	0.35 U	0.36 U	0.28 U
SEC-BUTYLBENZENE	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.18 U	0.18 U	0.19 U	0.15 U
STYRENE	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.15 U	0.15 U	0.15 U	0.12 U
TERT-AMYL METHYL ETHER	0.35 UJ	0.34 UJ	0.96 J	0.33 UJ	0.32 U	0.32 UJ	0.33 UJ	0.38 U	0.37 U	0.38 UJ	0.3 U
TERT-BUTYLBENZENE	0.27 U	0.27 U	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.29 U	0.29 U	0.3 U	0.23 U
TERTIARY-BUTYL ALCOHOL	49 B	7 UR	6.9 UR	6.8 UR	6.6 UR	46 B	6.7 UR	54 B	52 B	54 B	43 B
TETRACHLOROETHENE	0.49 U	0.48 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.53 U	0.52 U	0.54 U	0.42 U
TOLUENE	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U	0.27 U	0.28 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.63 U	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	0.68 U	0.67 U	0.69 U	0.54 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U
TRICHLOROETHENE	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U	0.37 U	0.37 U	0.43 U	0.42 U	0.43 U	0.34 U
TRICHLOROFLUOROMETHANE	0.32 U	0.35 J	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U
VINYL ACETATE	0.23 U	0.23 U	0.23 U	0.22 U	0.22 U	0.22 U	0.22 U	0.25 U	0.25 U	0.26 U	0.2 U
VINYL CHLORIDE	0.37 U	0.36 U	0.35 U	0.35 U	0.34 U	0.34 U	0.34 U	0.4 U	0.39 U	0.4 U	0.31 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	25 U	26 U	26 U	27 U	26 U	27 U	26 U	26 U	27 U	26 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	29 U	30 U	29 U	31 U	29 U	30 U	29 U	30 U	30 U	30 U	29 U
2,4,6-TRICHLOROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
2,4-DICHLOROPHENOL	23 U	24 U	24 U	25 U	24 U	24 U	23 U	24 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	23 U	24 U	24 U	25 U	24 U	24 U	23 U	24 U	24 U	24 U	23 U
2,4-DINITROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
2,4-DINITROTOLUENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
2,6-DINITROTOLUENE	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
2-CHLORONAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
2-CHLOROPHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
2-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
2-NITROPHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	21 U	22 U	21 U	22 U	21 U	22 U	22 U	22 U	21 U
3-NITROANILINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
4,6-DINITRO-2-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
4-CHLOROANILINE	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
4-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
4-NITROANILINE	30 U	31 U	31 U	32 U	31 U	32 U	31 U	31 U	32 U	31 U	30 U
4-NITROPHENOL	93 U	95 U	94 U	98 U	94 U	97 UR	94 U	96 U	98 U	96 U	92 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	15 U	14 U	15 U	14 U	14 U	15 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	25 U	26 U	26 U	27 U	26 U	27 U	26 U	26 U	27 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U	2.3 U	2.4 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	23 U	22 U	23 U	22 U	27 J	22 U	25 J	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	28 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U
CAPROLACTAM	43 U	44 U	43 U	45 U	43 U	45 U	43 U	44 U	45 U	44 U	43 U
CARBAZOLE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
DIBENZOFURAN	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
DIETHYL PHTHALATE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
DIMETHYL PHTHALATE	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
DI-N-BUTYL PHTHALATE	17 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	17 U
DI-N-OCTYL PHTHALATE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROBENZENE	2.4 U	2.5 U	2.5 U	2.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROETHANE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
ISOPHORONE	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
NITROBENZENE	2.5 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
N-NITROSODIPHENYLAMINE	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
PENTACHLOROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
PHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ACENAPHTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ACENAPHTHYLENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BAP EQUIVALENT-HALFND	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BAP EQUIVALENT-POS	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(A)ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(A)PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(B)FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
FLUORENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	13	15	15	13	13	15	11	13	15	11
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
NAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
PHENANTHRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.72 U	0.74 U	0.73 U	0.76 U	0.73 U	0.75 UJ	0.73 UJ	0.74 UJ	0.76 UJ	0.74 UJ	0.72 U
4,4'-DDE	0.45 U	0.46 U	0.46 U	0.48 U	0.46 U	0.47 UJ	0.46 UJ	0.47 UJ	0.48 UJ	0.47 UJ	0.45 U
4,4'-DDT	0.73 U	0.75 U	0.74 U	0.77 U	0.74 U	0.76 U	0.74 U	0.75 U	0.77 U	0.75 U	0.73 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ	1.4 UJ	1.4 U
ALPHA-BHC	0.85 U	0.87 UJ	0.86 UJ	0.9 UJ	0.86 UJ	0.89 UJ	0.86 UJ	0.87 UJ	0.89 UJ	0.87 UJ	0.84 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
AROCLOR-1016	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
AROCLOR-1232	16 U	17 U	16 U	17 U	16 U	17 U	16 U	17 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
AROCLOR-1248	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
AROCLOR-1260	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ	1.4 UJ	1.4 U
DIELDRIN	0.54 U	0.56 U	0.55 U	0.58 U	0.55 U	0.57 U	0.55 U	0.56 U	0.57 U	0.56 U	0.54 U
ENDOSULFAN I	0.6 U	0.62 U	0.61 U	0.64 U	0.61 U	0.63 U	0.61 U	0.62 U	0.63 U	0.62 U	0.6 U
ENDOSULFAN II	0.95 U	0.98 U	0.96 U	1 U	0.96 U	1 U	0.96 U	0.98 U	1 U	0.98 U	0.95 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U
ENDRIN	0.58 U	0.59 U	0.59 U	0.61 U	0.59 U	0.61 U	0.59 U	0.6 U	0.61 U	0.6 U	0.58 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.73 U	0.75 U	0.74 U	0.77 U	0.74 U	0.76 U	0.74 U	0.75 U	0.77 U	0.75 U	0.73 U
GAMMA-BHC (LINDANE)	0.86 U	0.88 U	0.87 U	0.91 U	0.87 U	0.9 UJ	0.87 UJ	0.88 UJ	0.9 UJ	0.89 UJ	0.85 U
GAMMA-CHLORDANE	0.49 U	0.5 U	0.49 U	0.52 U	0.49 U	0.51 UJ	0.49 UJ	0.5 UJ	0.51 UJ	0.5 UJ	0.48 U
HEPTACHLOR	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	0.93 U	0.95 U	0.94 U	0.98 U	0.94 U	0.97 UJ	0.94 UJ	0.96 UJ	0.98 UJ	0.96 UJ	0.92 U
METHOXYCHLOR	1.7 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	23 U	22 U	23 U	22 U	23 U	22 U	23 U	23 U	23 U	22 U
METALS (MG/KG)											
ANTIMONY	0.043 B	0.28 B	0.17 B	0.12 B	0.074 B	0.36 J	0.17 B	0.085 B	0.42 J	0.24 B	0.065 J
ARSENIC	0.65 L	4.6 J	2.7 J	2.1 J	1.5 J	7 J	2.3 J	2.3 J	4.2 J	3.2 J	1.3
BARIUM	9	12.7	12.6	14.8	15.3	20.9	14.7	12.2	15	14	10.5
BERYLLIUM	0.99 J	2.3 J	1.5 J	1.4 J	0.78 J	2.7 J	1.4 J	0.38 J	2.4 J	1.7 J	0.91
CADMIUM	0.02 B	0.022 B	0.024 B	0.017 B	0.014 B	0.033 B	0.02 B	0.0093 UL	0.02 B	0.015 B	0.023 B
CHROMIUM	12.1	26.5 J	18 J	17.8 J	9.6 J	26.4 J	22.6 J	12.4 J	32.7 J	25.5 J	17.3
COBALT	5.4	15 J	11 J	11.9 J	6 J	14.6 J	10.6 J	1.7 J	11.8 J	10 J	3.9
COPPER	6.3	27.5 J	15.8 J	21.3 J	6.5 J	20.6 J	11 J	10.9 J	24.2 J	17.7 J	9.4
IRON	6810	33500 J	22400 J	15400 J	9930 J	41800 J	23400 J	9260 J	39400 J	28500 J	11100
LEAD	2.4	6.8	6.5	4.9	4.1	8.1	3	4.9	7.5	4.4	2.8
MANGANESE	5.8 J	20.5 J	10.2 J	7.1 J	20 J	50.8 J	20.6 J	11.4 J	52.1 J	41.9 J	5
MERCURY	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U
MOLYBDENUM	0.11 B	0.65	0.44	0.24 B	0.09 B	0.63	0.32	0.087 B	0.58	0.42	0.16 J
NICKEL	8.5	28.5 J	18.7 J	23.3 J	12.1 J	35.2 J	23.5 J	3.9 J	30 J	24.5 J	8.5
SELENIUM	0.93 L	1 L	0.97 L	1.3 L	1.3 L	4.5 L	1.5 L	1.4 L	1.5 L	2.2 L	1 K
SILVER	0.019 U	0.024 B	0.019 U	0.02 U	0.019 U	0.026 B	0.021 B	0.019 U	0.02 U	0.019 U	0.018 U
THALLIUM	0.057 J	0.093 J	0.091 J	0.14	0.094 J	0.11 J	0.096 J	0.12	0.14	0.1 J	0.052 B
VANADIUM	14.9	54.7 J	35.1 J	28.1 J	15.5 J	45.7 J	31.1 J	14.6 J	43.2 J	36.4 J	26.5
ZINC	12.8	35.6 L	24 L	29 L	15.4 L	45.2 L	26.2 L	5.6 L	38 L	30.6 L	11
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	8900 J	4000 J	3300 U	3400 U	3300 UJ	3400 UJ	3300 UJ	4800 J	8300 J	3400 U	5000 J
GASOLINE RANGE ORGANICS	53 U	55 U	54 U	56 U	54 UJ	56 UJ	54 UJ	55 UJ	56 UJ	55 UJ	53 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.31 U	0.32 U	0.32 U	0.33 U	0.36 J	0.44 J	0.59 J	0.67 J	0.62 J	0.32 U	0.56 J
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
VOLATILES (UG/KG)		
1,1,1,2-TETRACHLOROETHANE	0.54 U	0.52 U
1,1,1-TRICHLOROETHANE	0.49 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.3 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.32 U	0.3 U
1,1-DICHLOROETHENE	0.46 U	0.43 U
1,1-DICHLOROPROPENE	0.26 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.33 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.79 U	0.75 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.24 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.57 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.44 U	0.42 U
1,2-DICHLOROBENZENE	0.32 U	0.3 U
1,2-DICHLOROETHANE	0.3 U	0.28 U
1,2-DICHLOROPROPANE	0.61 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA
1,3-DICHLOROBENZENE	0.31 U	0.29 U
1,3-DICHLOROPROPANE	0.3 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA
1,4-DICHLOROBENZENE	0.58 U	0.55 U
1,4-DIOXANE	NA	NA
2,2-DICHLOROPROPANE	0.83 U	0.78 U
2-BUTANONE	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.2 U	1.2 U
2-CHLOROTOLUENE	0.35 U	0.33 U
2-HEXANONE	0.55 U	0.53 U
4-CHLOROTOLUENE	0.36 U	0.34 U
4-ISOPROPYLTOLUENE	0.18 U	0.18 U
4-METHYL-2-PENTANONE	0.47 U	0.45 U
ACETONE	5.5 U	5.3 U
BENZENE	0.2 U	0.19 U
BROMOBENZENE	0.29 U	0.28 U
BROMOCHLOROMETHANE	0.62 U	0.59 U
BROMODICHLOROMETHANE	0.25 U	0.23 U
BROMOFORM	0.29 U	0.28 U
BROMOMETHANE	0.47 U	0.45 U
CARBON DISULFIDE	0.79 B	0.84 B
CARBON TETRACHLORIDE	0.32 U	0.31 U
CHLOROBENZENE	0.29 U	0.28 U
CHLORODIBROMOMETHANE	0.48 U	0.46 U
CHLOROETHANE	0.76 U	0.72 U
CHLOROFORM	0.25 U	0.24 U
CHLOROMETHANE	0.36 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.32 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.3 U	0.28 U
DIBROMOMETHANE	0.55 U	0.53 U
DICHLORODIFLUOROMETHANE	0.44 U	0.42 U
DIISOPROPYL ETHER	1.3 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.18 U
ETHYLBENZENE	0.23 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1 U
ISOPROPYLBENZENE	0.14 U	0.13 U
M+P-XYLENES	1.1 U	1 U
METHYL TERT-BUTYL ETHER	0.38 UJ	0.36 UJ
METHYLENE CHLORIDE	0.86 B	0.96 B
NAPHTHALENE	0.74 B	0.7 B
N-BUTYLBENZENE	0.2 U	0.19 U
N-PROPYLBENZENE	0.35 U	0.33 U
O-XYLENE	0.31 U	0.29 U
SEC-BUTYLBENZENE	0.16 U	0.15 U
STYRENE	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	0.32 U	0.31 U
TERT-BUTYLBENZENE	0.25 U	0.24 U
TERTIARY-BUTYL ALCOHOL	6.7 UR	6.3 UR
TETRACHLOROETHENE	0.46 U	0.43 U
TOLUENE	0.24 U	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA
TOTAL XYLENES	0.59 U	0.56 U
TRANS-1,2-DICHLOROETHENE	0.36 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.47 U	0.45 U
TRICHLOROETHENE	0.37 U	0.35 U
TRICHLOROFLUOROMETHANE	0.3 U	0.28 U
VINYL ACETATE	0.22 U	0.21 U
VINYL CHLORIDE	0.34 U	0.33 U
SEMIVOLATILES (UG/KG)		
1,1-BIPHENYL	33 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	27 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U
2,4,6-TRICHLOROPHENOL	98 U	91 U

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
2,4-DICHLOROPHENOL	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U
2,4-DINITROPHENOL	98 U	91 U
2,4-DINITROTOLUENE	33 U	31 U
2,6-DINITROTOLUENE	26 U	24 U
2-CHLORONAPHTHALENE	4 U	3.8 U
2-CHLOROPHENOL	33 U	31 U
2-METHYLPHENOL	98 U	91 U
2-NITROANILINE	11 U	10 U
2-NITROPHENOL	33 U	31 U
3&4-METHYLPHENOL	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U
3-NITROANILINE	20 U	18 U
4,6-DINITRO-2-METHYLPHENOL	98 U	91 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	24 U
4-CHLOROANILINE	21 U	19 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U
4-METHYLPHENOL	98 U	91 U
4-NITROANILINE	32 U	30 U
4-NITROPHENOL	98 U	91 U
ACETOPHENONE	11 U	11 U
ANILINE	NA	NA
ATRAZINE	11 U	10 U
AZOBENZENE	NA	NA
BENZALDEHYDE	15 U	14 U
BENZIDINE	NA	NA
BENZOIC ACID	NA	NA
BENZYL ALCOHOL	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	11 U
CAPROLACTAM	45 U	42 U
CARBAZOLE	33 U	31 U
DIBENZOFURAN	4 U	3.8 U
DIETHYL PHTHALATE	20 U	18 U
DIMETHYL PHTHALATE	21 U	19 U
DI-N-BUTYL PHTHALATE	18 U	17 U
DI-N-OCTYL PHTHALATE	33 U	31 U
HEXACHLOROBENZENE	2.6 U	2.4 U
HEXACHLOROBUTADIENE	33 U	31 U
HEXACHLOROCYCLOPENTADIENE	33 U	31 U
HEXACHLOROETHANE	11 U	10 U
ISOPHORONE	16 U	15 U
NITROBENZENE	2.7 U	2.5 U
N-NITROSODIMETHYLAMINE	20 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	31 U
N-NITROSODIPHENYLAMINE	26 U	24 U
PENTACHLOROPHENOL	98 U	91 U
PHENOL	33 U	31 U
PYRIDINE	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)		
1-METHYLNAPHTHALENE	NA	NA
2-METHYLNAPHTHALENE	4 U	3.8 U
ACENAPHTHENE	4 U	3.8 U
ACENAPHTHYLENE	4 U	3.8 U
ANTHRACENE	4 U	3.8 U
BAP EQUIVALENT-HALFND	4 U	3.8 U
BAP EQUIVALENT-POS	4 U	3.8 U
BENZO(A)ANTHRACENE	4 U	3.8 U
BENZO(A)PYRENE	4 U	3.8 U
BENZO(B)FLUORANTHENE	4 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U
BENZO(K)FLUORANTHENE	4 U	3.8 U
C1-CHRYSENES	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA
C1-FLUORENES	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA
C2-CHRYSENES	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C2-FLUORENES	NA	NA
C2-NAPHTHALENES	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA
C3-CHRYSENES	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C3-FLUORENES	NA	NA
C3-NAPHTHALENES	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA
C4-CHRYSENES	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C4-NAPHTHALENES	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA
CHRYSENE	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U
FLUORANTHENE	4 U	3.8 U
FLUORENE	4 U	3.8 U

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U
NAPHTHALENE	4 U	3.8 U
PHENANTHRENE	4 U	3.8 U
PYRENE	4 U	3.8 U
TOTAL PAHS	0 U	0 U
PESTICIDES/PCBS (UG/KG)		
4,4'-DDD	0.76 U	0.71 U
4,4'-DDE	0.48 U	0.45 U
4,4'-DDT	0.77 U	0.72 U
ALDRIN	1.5 U	1.4 U
ALPHA-BHC	0.89 U	0.83 U
ALPHA-CHLORDANE	1.1 U	1.1 U
AROCLOR-1016	26 U	24 U
AROCLOR-1221	20 U	18 U
AROCLOR-1232	17 U	16 U
AROCLOR-1242	16 U	15 U
AROCLOR-1248	21 U	19 U
AROCLOR-1254	21 U	19 U
AROCLOR-1260	21 U	19 U
BETA-BHC	1.3 U	1.3 U
DELTA-BHC	1.5 U	1.4 U
DIELDRIN	0.57 U	0.54 U
ENDOSULFAN I	0.63 U	0.59 U
ENDOSULFAN II	1 U	0.94 U
ENDOSULFAN SULFATE	1.1 U	0.99 U
ENDRIN	0.61 U	0.57 U
ENDRIN ALDEHYDE	1.2 U	1.1 U
ENDRIN KETONE	0.77 U	0.72 U
GAMMA-BHC (LINDANE)	0.9 U	0.85 U
GAMMA-CHLORDANE	0.51 U	0.48 U
HEPTACHLOR	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	0.98 U	0.91 U
METHOXYCHLOR	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U
TOXAPHENE	23 U	22 U
METALS (MG/KG)		
ANTIMONY	0.029 U	0.2 J
ARSENIC	0.43 J	7.3
BARIUM	6.7	9.7
BERYLLIUM	0.48	0.71
CADMIUM	0.025 B	0.02 B
CHROMIUM	3.7	3.5
COBALT	2.4	3.6
COPPER	6.2	23.2
IRON	1050	1610
LEAD	1.4	1.8
MANGANESE	2.9	3.6
MERCURY	0.018 U	0.017 U
MOLYBDENUM	0.077 U	0.078 J
NICKEL	4.1	5.7
SELENIUM	0.72 K	0.94 K
SILVER	0.02 U	0.029 J
THALLIUM	0.041 B	0.08 B
VANADIUM	4.2	2.6
ZINC	7.3	12.4
PETROLEUM HYDROCARBONS (UG/KG)		
DIESEL RANGE ORGANICS	3400 J	3200 U
GASOLINE RANGE ORGANICS	56 U	53 U
TPH (C09-C36)	NA	NA
TPH (C10-C32)	NA	NA
MISCELLANEOUS PARAMETERS (%)		
PERCENT SOLIDS	NA	NA
TOTAL SOLIDS	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)		
HEXAVALENT CHROMIUM	0.33 U	0.31 U
TOTAL ORGANIC CARBON	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)		
PH	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)		
MERCURY (METHYL)	NA	NA
RADIONUCLIDES (PCI/G)		
ACTINIUM-228	NA	NA
ALUMINUM-26	NA	NA
AMERICIUM-241	NA	NA
ANTIMONY-124	NA	NA
ANTIMONY-125	NA	NA
BERYLLIUM-7	NA	NA
BISMUTH-212	NA	NA
BISMUTH-214	NA	NA
CERIUM-139	NA	NA
CERIUM-144	NA	NA
CESIUM-134	NA	NA
CESIUM-137	NA	NA
CHROMIUM-51	NA	NA
COBALT-56	NA	NA
COBALT-57	NA	NA
COBALT-58	NA	NA
COBALT-60	NA	NA
EUROPIUM-152	NA	NA

LOCATION	**SB-796**	**SB-796**
SAMPLE ID	**D-SB-796-13**	**D-SB-796-15**
SAMPLE DATE	**20100910**	**20100910**
SAMPLE CODE	**NORMAL**	**NORMAL**
MATRIX	**SO**	**SO**
SAMPLE TYPE	**NORMAL**	**NORMAL**
SUBMATRIX	**SB**	**SB**
TOP DEPTH	**13**	**15**
BOTTOM DEPTH	**13**	**15**
EUROPIUM-154	NA	NA
EUROPIUM-155	NA	NA
IODINE-131	NA	NA
IRON-59	NA	NA
LEAD-212	NA	NA
LEAD-214	NA	NA
MANGANESE-54	NA	NA
NIOBIUM-94	NA	NA
NIOBIUM-95	NA	NA
POTASSIUM-40	NA	NA
PROTACTINIUM-234	NA	NA
RADIUM-226	NA	NA
RUTHENIUM-106	NA	NA
SCANDIUM-46	NA	NA
SILVER-110	NA	NA
SODIUM-22	NA	NA
THALLIUM-208	NA	NA
THORIUM-227	NA	NA
THORIUM-234	NA	NA
URANIUM-235	NA	NA
ZINC-65	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13
BOTTOM DEPTH				11	12	13	14	15	11	12	13
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	**26**	1.5 U	1.5 U	**21**	1.5 U	**181**
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**26**	1.5 U	1.5 U	**20**	1.5 U	**181**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	23	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**20**	1.5 U	1.5 U	**16**	1.5 U	**150**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	23	1.4 U	1.4 U	16	1.4 U	**170**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	10	2 U	2 U	2 U	2 U	57
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	27	1 U	1.1 U	1.1 U	1.1 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	8.7	1.7 U	1.8 U	22	1.8 U	130
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	111.7	0 U	0 U	54	0 U	507
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061A	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID				D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15
SAMPLE DATE				20090916	20090916	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				14	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		578	1.5 U	168	1.5 U	1.5 U	154	1078	16	1.5 U	9.2	1.5 U
BAP EQUIVALENT-POS	22	15	C	577	1.5 U	168	1.5 U	1.5 U	154	1078	15	1.5 U	8.2	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	86	1.1 U	1.1 U	44	290	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	490	1.5 U	120	1.5 U	1.5 U	110	750	13	1.5 U	8.2	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	510	1.4 U	130	1.4 U	1.4 U	100	750	13	1.4 U	1.3 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	180	2 U	49	1.9 U	2 U	65	410	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	110	1 U	1 U	84	410	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	19	1.5 U	1.5 U	21	170	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	340	1.8 U	64	1.7 U	1.7 U	75	490	7.7	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1520	0 U	578	0 U	0 U	499	3270	33.7	0 U	8.2	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061D	SB-061D	SB-061D	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A
SAMPLE ID				D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D
SAMPLE DATE				20091012	20091012	20091012	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	12	13	14	15	11	11	11
BOTTOM DEPTH				11	13	15	11	12	13	14	15	11	11	11
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	429	47	1.5 U	1.7 U	2213	74	480	147	123	100
BAP EQUIVALENT-POS	22	15	C	1.5 U	429	46	1.5 U	1.7 U	2212	73	479	147	123	100
BENZO(A)ANTHRACENE	220	150	C	1.1 U	250	33	1.1 U	1.2 U	930	34	210	110	93.5	77
BENZO(A)PYRENE	22	15	C	1.5 U	300	36	1.5 U	1.7 U	1800	59	390	100	84	68
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	340	40	1.4 U	1.5 U	1900	60	390	130	113.5	97
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	130	17	2 U	2.2 U	750	20	150	56	46	36
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	290	40	1.1 U	1.2 U	1200	42	260	95	80	65
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	50	1.6 U	1.5 U	1.7 U	3.2 U	1.7 U	1.7 U	17	14	11
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	180	22	1.8 U	1.9 U	1200	41	270	50	42	34
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1540	188	0 U	0 U	7780	256	1670	558	473	388
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D
SAMPLE ID				D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15
SAMPLE DATE				20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**90**	11	1.5 U	1.5 U	1.5 U	1.5 U	**101**	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	**90**	9.8	1.5 U	1.5 U	1.5 U	1.5 U	**100**	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	71	8.5	1.1 U	1.1 U	1.1 U	1.1 U	63	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	**69**	8	1.5 U	1.5 U	1.5 U	1.5 U	**80**	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	98	9.9	1.4 U	1.4 U	1.4 U	1.4 U	88	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	2 U	2 U	2 U	2 U	2 U	33	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	65	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	58	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	34	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	48	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		368	26.4	0 U	0 U	0 U	0 U	370	0 U	0 U	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063	SB-063	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH				11	12	13	14	15	11	12	13	14	15	11
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	124	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	44
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	124	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	43
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	54	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	45
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	90	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	33
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	94	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	34
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	40	2.1 U	1.9 U	2 U	2 U	2.1 U	2 U	2 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	73	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	48
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	13	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	56	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	420	0 U	0 U	0 U	0 U	0 U	0 U	0 U	197
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A
SAMPLE ID				D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13
SAMPLE DATE				20090914	20090914	20091015	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	15	11	12	11	12	13	14	15	11	13
BOTTOM DEPTH				12	15	11	12	11	12	13	14	15	11	13
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		45	43	185	121	198	42	337	25	22	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	45	42	185	121	198	42	337	24	21	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	43	47	110	82	140	32	210	18	18	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	34	32	110	85	130	32	230	19	16	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	43	29	250	110	180	40	250	23	19	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	23	100	36	61	16	110	8.8	2.2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	50	48	170	74	130	40	240	27	21	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	29	12	27	1.5 U	43	1.6 U	1.7 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	19	88	47	87	22	170	12	12	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		204	198	857	446	755	182	1253	107.8	86	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240A	SB-240B	SB-240B	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID				D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15
SAMPLE DATE				20091014	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	11	13	15	11	11	11	13	15
BOTTOM DEPTH				15	11	13	11	13	15	11	11	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**21**	1.7 U	2 U	1.6 U	**58**	1.9 U	**288**	**161**	**34**	**622**	1.6 U
BAP EQUIVALENT-POS	22	15	C	**20**	1.7 U	2 U	1.6 U	**57**	1.9 U	**284**	**159**	**33**	**622**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.4 U	1.2 U	30	1.4 U	**200 J**	113.5	27 J	**270**	1.2 U
BENZO(A)PYRENE	22	15	C	**19**	1.7 U	2 U	1.6 U	**46**	1.9 U	**220 J**	**122.5**	**25 J**	**440**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	9.3	1.5 U	1.8 U	1.5 U	48	1.7 U	**280 J**	**157.5**	35 J	**450**	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.2 U	2.6 U	2.1 U	27	2.5 U	120 J	65.5	11 J	220	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	1.1 U	1.4 U	1.1 U	35	1.3 U	240 J	134	28 J	330	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	2 U	1.6 U	1.6 U	1.9 U	6.2 U	3.85 U	1.5 U	**61**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	2 U	1.9 U	2.3 U	1.9 U	30	2.2 U	150 J	83.5	17 J	**260**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		28.3	0 U	0 U	0 U	216	0 U	1210	676.5	143	2051	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767
SAMPLE ID				D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH				11	12	13	14	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	15 U	**160**	4.4 U	4.1 U	4.2 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	15 U	**260**	4.4 U	4.1 U	4.2 U	4 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	**110**	**58**	4.4 U	4.1 U	**33 J**	4 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	**370**	**34**	4.4 U	4.1 U	**140**	4 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	**270**	**71**	4.4 U	4.1 U	**85 J**	4 U
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	**91**	1.6 U	1.6 U	**717**	**123**	4.4 U	4.1 U	**253**	4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	**91**	1.6 U	1.6 U	**710**	**121**	4.4 U	4.1 U	**251**	4 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	43	1.2 U	1.1 U	**470 J**	85	4.4 UJ	4.1 U	**160**	4 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	**64**	1.6 U	1.6 U	**560 J**	**99**	4.4 UJ	4.1 U	**200 J**	4 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	70	1.5 U	1.4 U	**620 J**	130	4.4 UJ	4.1 U	**230 J**	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	440 J	3.9 U	4.4 UJ	4.1 U	140 J	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	25	2.1 U	2 U	340 J	50	4.4 UJ	4.1 U	110 J	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	59	1.1 U	1.1 U	510 J	100	1.5 UJ	1.4 U	170	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	11	1.6 U	1.6 U	15 UJ	3.9 U	4.4 UJ	4.1 U	4.2 U	4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	650	230	34	4.1 U	180 J	4 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	15 U	72	4.4 U	4.1 U	33 J	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	43	1.8 U	1.8 U	**370 J**	3.9 U	4.4 UJ	4.1 U	110 J	4 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	56	400	4.4 U	4.1 U	11	4 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	370	210	4.4 U	4.1 U	53 J	4 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	1200 J	210	18 J	4.1 U	330	4 U
TOTAL PAHS	NC	NC		0 U	0 U	315	0 U	0 U	6336	2009	52	0 U	1985	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771
SAMPLE ID				D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15
SAMPLE DATE				20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	13	15	11	13	15
BOTTOM DEPTH				11	13	15	11	13	15	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	**11**	4 U	4 U	4 U	4 U	**56**	**11**	4 U	4.1 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	**23**	4 U	4 U	4 U	4 U	**94**	**21**	4 U	4.1 U	4 U
ACENAPHTHENE	470000	340000	N	3.9 U	**38 J**	4 U	4 U	4 U	4 U	**65**	3.8 U	4 U	4.1 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	**200**	4 U	4 U	**27**	4 U	**400**	**43**	4 U	4.1 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	**120 J**	4 U	4 U	**10**	4 U	**260**	**26**	4 U	4.1 U	4 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	**362**	4 U	4 U	**46**	4 U	**1871**	**300**	4 U	4.1 U	4 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	**360**	4 U	4 U	**44**	4 U	**1871**	**298**	4 U	4.1 U	4 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	**190**	4 U	4 U	4 U	4 U	**940**	**230**	4 U	4.1 U	4 U
BENZO(A)PYRENE	22	15	C	3.9 U	**290 J**	4 U	4 U	**37**	4 U	**1300**	**220**	4 U	4.1 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	**320 J**	4 U	4 U	37 J	4 U	**1400 J**	**350 J**	4 U	4.1 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	220 J	4 U	4 U	30	4 U	1200	320	4 U	4.1 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	140 J	4 U	4 U	4 U	4 U	660	73	4 U	4.1 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	370 J	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	410 J	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	140 J	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	240 J	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	170 J	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	99 J	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	130 J	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	230	1.3 U	1.3 U	23	1.3 U	1100	210	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.1 U	4 U	4 U	4 U	4 U	**250 J**	3.8 U	4 U	4.1 U	4 U
FLUORANTHENE	310000	230000	N	3.9 U	240 J	4 U	4 U	25	4 U	1600	270	4 U	4.1 U	4 U
FLUORENE	310000	230000	N	3.9 U	4.1 U	4 U	4 U	4 U	4 U	96	3.8 U	4 U	4.1 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	**170 J**	4 U	4 U	34 J	4 U	**790 J**	**190 J**	4 U	4.1 U	4 U
NAPHTHALENE	160000	3600	C	3.9 U	26	4 U	4 U	4 U	4 U	130	24	4 U	4.1 U	4 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	59 J	4 U	4 U	4 U	4 U	640	82	4 U	4.1 U	4 U
PYRENE	230000	170000	N	3.9 U	550	4 U	4 U	54	4 U	2300	480	4 U	4.1 U	4 U
TOTAL PAHS	NC	NC		0 U	2816	0 U	0 U	277	0 U	13225	2539	0 U	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID				D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE				20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	15	15
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	43	59	190	4.1 U	4.1 U	11	4 U	29	17	16	15
2-METHYLNAPHTHALENE	31000	31000	N	63	61	390	9	4.1 U	14	8.5	48	25	27.5	30
ACENAPHTHENE	470000	340000	N	84	28	900	4.1 U	4.1 U	4 U	13	240	90	105	120
ACENAPHTHYLENE	470000	340000	N[6]	4.2 U	14	20 U	4.1 U	4.1 U	8.2	4 U	7.7 U	3.8 U	3.8 U	3.8 U
ANTHRACENE	2300000	1700000	N	24	52	1600	4.1 U	4.1 U	17	20	440	200	165	130
BAP EQUIVALENT-HALFND	22	15		30	80	1351	4.1 U	4.1 U	43	97	888	499	449	399
BAP EQUIVALENT-POS	22	15	C	28	78	1341	4.1 U	4.1 U	41	97	888	499	449	399
BENZO(A)ANTHRACENE	220	150	C	29	76	2400	4.1 U	4.1 U	24	65	730	480	395	310
BENZO(A)PYRENE	22	15	C	19	59	810	4.1 U	4.1 U	34	63	590	340	310	280
BENZO(B)FLUORANTHENE	220	150	C	31 J	68 J	2200 J	4.1 U	4.1 U	22	95	800	460	405	350
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	14	37	580	4.1 U	4.1 U	12	51	350	190	185	180
BENZO(K)FLUORANTHENE	2200	1500	C	15	24	860	4.1 U	4.1 U	4 U	33	300	230	205	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	130 J	250	370 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	160 J	385	610 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 UJ	199.5	360 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	84 J	117	150 J
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	99.5	160 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	59.5	80 J
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	67.5	96 J
CHRYSENE	22000	15000	C	29	84	2200	1.4 U	1.4 U	26	73	750	480	405	330
DIBENZO(A,H)ANTHRACENE	22	15	C	4.2 U	4.3 U	20 U	4.1 U	4.1 U	4 U	13	110	44	40	36
FLUORANTHENE	310000	230000	N	65	170	7100	9.9	4.1 U	47	120	1800	1300 J	1000	700 J
FLUORENE	310000	230000	N	45	68	950	4.1 U	4.1 U	18	13	220	95	91	87
INDENO(1,2,3-CD)PYRENE	220	150	C	24 J	40 J	600 J	4.1 U	4.1 U	23	41	310	180	165	150
NAPHTHALENE	160000	3600	C	95	28	990	4.1 U	4.1 U	4 U	12	76	47	55	63
PHENANTHRENE	2300000	170000	N[7]	110	310	5600	19	4.1 U	86	74	1500	870 J	680	490 J
PYRENE	230000	170000	N	49	210	5200	12	4.1 U	64	97	1300	920 J	720	520 J
TOTAL PAHS	NC	NC		696	1329	32380	49.9	0 U	395.2	791.5	9564	5951	4953.5	3956
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058
SAMPLE ID					MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11
SAMPLE DATE					20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					12	11	12	13	14	15	15	11
BOTTOM DEPTH					14	11	12	13	14	15	15	11
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	58 U	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	58 U	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	NA	NA	6 U	NA
CHLOROMETHANE	NC		12000	N	NA	NA	NA	NA	NA	NA	6 U	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	6 U	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	12 U	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	7 B	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	6 U	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	6 U	NA
STYRENE	1600000		630000	N	NA	NA	NA	NA	NA	NA	6 U	NA
TERT-AMYL METHYL ETHER	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	6 U	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	6 U	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	390 U	NA
BUTYL BENZYL PHTHALATE	NC		260000	C	NA	NA	NA	NA	NA	NA	390 U	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	550	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	390 U	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	390 U	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	390 U	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	390 U	NA
BAP EQUIVALENT-HALFND	22		15		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	6.3
BAP EQUIVALENT-POS	22		15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	4.4
BENZO(A)ANTHRACENE	220		150	C	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	390 U	12
BENZO(A)PYRENE	22		15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U
BENZO(B)FLUORANTHENE	220		150	C	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	390 U	14
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	NA	390 U	NA
BENZO(K)FLUORANTHENE	2200		1500	C	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	390 U	2.4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	390 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	390 U	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	390 U	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	390 U	18
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	390 U	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	NA	390 U	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	390 U	NA
TOTAL PAHS	NC		NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	44
METALS (MG/KG)												
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	2.8 UR	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	0.66 L	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	2.8 UL	NA
CHROMIUM	12000	[8]	12000	N[8]	NA	NA	NA	NA	NA	NA	5.7 L	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	2.8 UJ	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	0.11 UL	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	2.8 UL	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	2.8 UR	NA
THALLIUM	0.55		NC		NA	NA	NA	NA	NA	NA	2.3 UL	NA
VANADIUM	7.8		39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	28 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	11000 U	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	110 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23		0.29	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC		NC		319 J	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-058	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C
SAMPLE ID					F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12
SAMPLE DATE					20090917	20090917	20090917	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					12	13	14	15	15	20	12	14	12	14	12
BOTTOM DEPTH					12	13	14	15	15	20	12	14	12	14	12
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	63 U	65 U	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	63 U	65 U	NA	NA	NA	NA	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	NC		12000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	13 U	13 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
STYRENE	1600000		630000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC		260000	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	410 U	590	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1433	38	1.6 U	1.6 U	410 U	440 U	52	1.5 U	2.1 U	498	44
BAP EQUIVALENT-POS	22		15	C	1433	37	1.6 U	1.6 U	410 U	440 U	51	1.5 U	2.1 U	498	43
BENZO(A)ANTHRACENE	220		150	C	1200	33	1.2 U	1.2 U	410 U	440 U	30	1.1 U	1.6 U	210	25
BENZO(A)PYRENE	22		15	C	1000	27	1.6 U	1.6 U	410 U	440 U	39	1.5 U	2.1 U	330	33
BENZO(B)FLUORANTHENE	220		150	C	1200	38	1.5 U	1.5 U	410 U	440 U	51	1.4 U	2 U	480	45
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	530	2.5 U	2.1 U	2.1 U	410 U	440 U	19	1.9 U	2.8 U	200	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1000	28	1.1 U	1.1 U	410 U	440 U	29	1 U	1.5 U	270	19
DIBENZO(A,H)ANTHRACENE	22		15	C	140	1.9 U	1.6 U	1.6 U	410 U	440 U	1.8 U	1.5 U	2.1 U	74	1.9 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	470	29	1.9 U	1.8 U	410 U	440 U	38	1.7 U	2.5 U	230	32
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		5540	155	0 U	0 U	0 U	0 U	206	0 U	0 U	1794	166
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	5.3 L	2.5 L	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	3.1 U	3 U	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA
CHROMIUM	12000	[8]	12000	N[8]	NA	NA	NA	NA	26 L	3.8 L	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	22	4.8 K	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	20 J	3 UJ	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[9]	2.3	N[10]	NA	NA	NA	NA	0.12 UL	0.12 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	18	23	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	NA	2.4 UL	2.4 UL	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	49 J	30 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	12000 U	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	130 U	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-058C	SB-058D	SB-058D	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244
SAMPLE ID			F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15
SAMPLE DATE			20091103	20091103	20091103	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			14	12	14	15	15	15	20	15	20	25	15
BOTTOM DEPTH			14	12	14	15	15	15	20	15	20	25	15
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA
ACETONE	7000000	6100000 N	NA	NA	NA	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA
BENZENE	12000	1100 C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
CHLOROMETHANE	NC	12000 N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	12 U	12 U	11 U	11 U	12 UL	13 UL	12 UL	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	9 J	9 J	8 J	9 J	6 UL	6 UL	6 UL	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
STYRENE	1600000	630000 N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
TERT-AMYL METHYL ETHER	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PHENOL	2300000	1800000 N	NA	NA	NA	3900 U	520	380 U	390 U	410 U	4200 U	410 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BAP EQUIVALENT-HALFND	22	15	263	50	50	3021	410 U	380 U	390 U	410 U	3182	410 U	NA
BAP EQUIVALENT-POS	22	15 C	263	49	49	876	410 U	380 U	390 U	410 U	431	410 U	NA
BENZO(A)ANTHRACENE	220	150 C	200	28	32	520 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(A)PYRENE	22	15 C	170	38	38	770 J	410 U	380 U	390 U	410 U	430 J	410 U	NA
BENZO(B)FLUORANTHENE	220	150 C	230	50	46	460 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(K)FLUORANTHENE	2200	1500 C	74	8.9	14	690 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	180	30	24	770 J	410 U	380 U	390 U	410 U	510 J	410 U	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	40	1.7 U	1.8 U	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	740 J	410 U	380 U	390 U	410 U	510 J	410 U	NA
FLUORENE	310000	230000 N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	88	30	34	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PYRENE	230000	170000 N	NA	NA	NA	1800 J	410 U	380 U	390 U	410 U	790 J	410 U	NA
TOTAL PAHS	NC	NC	982	184.9	188	5750	0 U	0 U	0 U	0 U	2240	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	2.5 UL	2.6 UL	2.8 UR	2.8 U	2.9 UL	2.7 UL	2.6 UL	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	2.8	0.71	0.57 UL	0.57 U	2.5	1.2 K	0.52 U	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
CADMIUM	3.9	7 N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	27 J	6.4 J	2.8 U	2.8 U	14 J	19 J	16 J	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	15	3	5 L	3.4 L	11 J	9.7 J	4.9 J	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	11	2.6 U	2.8 UL	2.8 UJ	6.5 K	7.5 K	2.6 U	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	NA	NA	NA	0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	15	2.6 U	6.6	3.5 K	10 K	4.3 K	7.6 K	NA
SELENIUM	39	39 N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
SILVER	39	39 N	NA	NA	NA	2.5 UR	2.6 UR	2.8 UR	2.8 UL	2.9 UR	2.7 UR	2.6 UR	NA
THALLIUM	0.55	NC	NA	NA	NA	2 U	2.1 U	2.3 UL	2.3 UL	2.3 U	2.2 U	2.1 U	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	50 J	26 UL	28 U	28 UL	29 UL	27 UL	26 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	11000 U	12000 U	11000 U	12000 U	12000 U	13000 U	12000 U	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	120 U	120 U	110 U	110 U	120 U	130 U	120 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID					SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15
SAMPLE DATE					20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					15	15	15	15	15	11	13	15	11	13	15
BOTTOM DEPTH					15	15	15	15	15	11	13	15	11	13	15
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC		12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000		630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC		260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	15	49	4.2 U	28	37	3.9 U
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	3.9 U	20	4.2 U	10	15	3.9 U
BAP EQUIVALENT-HALFND	22		15		NA	NA	NA	NA	NA	113	175	4.2 U	88	97	3.9 U
BAP EQUIVALENT-POS	22		15	C	NA	NA	NA	NA	NA	113	173	4.2 U	88	97	3.9 U
BENZO(A)ANTHRACENE	220		150	C	NA	NA	NA	NA	NA	31	88	4.2 U	37	33	3.9 U
BENZO(A)PYRENE	22		15	C	NA	NA	NA	NA	NA	71	140	4.2 U	51	59	3.9 U
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	78	150	4.2 U	52	56	3.9 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	51	100	4.2 U	41	48	3.9 U
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	26	61	4.2 U	18	24	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
CHRYSENE	22000		15000	C	NA	NA	NA	NA	NA	50	130	1.4 U	26	41	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	NA	NA	NA	NA	26	3.9 U	4.2 U	25	25	3.9 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	43	120	4.2 U	26	37	3.9 U
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	NA	NA	NA	NA	51	88	4.2 U	30	36	3.9 U
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	3.9 U	8.3	4.2 U	4.1 U	4.3 U	3.9 U
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	110	300	4.2 U	120	150	3.9 U
TOTAL PAHS	NC		NC		NA	NA	NA	NA	NA	552	1254.3	0 U	464	561	0 U
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	2 B	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	2.2	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	0.09	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[8]	12000	N[8]	NA	NA	NA	28.2	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	8.5	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	36	NA	NA	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[9]	2.3	N[10]	NA	NA	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	0.6 B	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	36	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	0.8 B	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[11]	NA	NA	NA	61.4	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	30	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	NA	NA	NA	0.35 UL	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780
SAMPLE ID				D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13
SAMPLE DATE				20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.8 U	13	3.9 U	4 U	41	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
2-METHYLNAPHTHALENE	31000	31000	N	3.8 U	20	3.9 U	4 U	76	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
ACENAPHTHENE	470000	340000	N	3.8 U	87	3.9 U	4 U	86	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
ACENAPHTHYLENE	470000	340000	N[6]	3.8 U	4 U	3.9 U	4 U	2700	8.9	4.2 U	11	3.9 U	3.8 U	69
ANTHRACENE	2300000	1700000	N	3.8 U	89	3.9 U	4 U	1200	4 U	4.2 U	3.9 U	3.9 U	3.8 U	37
BAP EQUIVALENT-HALFND	22	15		**22**	**269**	3.9 U	4 U	**6217**	**16**	4.2 U	**43**	3.9 U	3.8 U	**198**
BAP EQUIVALENT-POS	22	15	C	**20**	**269**	3.9 U	4 U	**6217**	13	4.2 U	**43**	3.9 U	3.8 U	**198**
BENZO(A)ANTHRACENE	220	150	C	16	**220**	3.9 U	4 U	**2500**	4 U	4.2 U	16	3.9 U	3.8 U	97
BENZO(A)PYRENE	22	15	C	15	**180**	3.9 U	4 U	**4400**	12	4.2 U	**23**	3.9 U	3.8 U	**130**
BENZO(B)FLUORANTHENE	220	150	C	20	**270**	3.9 U	4 U	**4600**	12	4.2 U	23 J	3.9 U	3.8 U	120 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	11	110	3.9 U	4 U	3800	10	4.2 U	16	3.9 U	3.8 U	100
BENZO(K)FLUORANTHENE	2200	1500	C	11	100	3.9 U	4 U	1400	4 U	4.2 U	11	3.9 U	3.8 U	55
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
CHRYSENE	22000	15000	C	18	250	1.3 U	1.3 U	3000	1.3 U	1.4 U	18	1.3 U	1.3 U	120
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 U	**28**	3.9 U	4 U	**820**	4 U	4.2 U	15 J	3.9 U	3.8 U	**38 J**
FLUORANTHENE	310000	230000	N	36	580	3.9 U	4 U	1900	4 U	4.2 U	23	3.9 U	3.8 U	180
FLUORENE	310000	230000	N	3.8 U	85	3.9 U	4 U	190	4 U	4.2 U	3.9 U	3.9 U	3.8 U	14
INDENO(1,2,3-CD)PYRENE	220	150	C	9.6	110	3.9 U	4 U	**2700**	4 U	4.2 U	11 J	3.9 U	3.8 U	75 J
NAPHTHALENE	160000	3600	C	3.8 U	38	3.9 U	4 U	78	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
PHENANTHRENE	2300000	170000	N[7]	23	370	3.9 U	4 U	280	4 U	4.2 U	3.9 U	3.9 U	3.8 U	41
PYRENE	230000	170000	N	29	440	3.9 U	4 U	4500	12	4.2 U	50	3.9 U	3.8 U	280
TOTAL PAHS	NC	NC		188.6	2977	0 U	0 U	34230	54.9	0 U	217	0 U	0 U	1356
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-780	SB-781	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784
SAMPLE ID			D-SB-780-15	D-SB-781-11	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11
SAMPLE DATE			20100901	20100901	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH			15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	0.14 U	0.16 U	0.14 U	0.14 U	0.16 U	0.19 U	0.15 U
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U
ACETONE	7000000	6100000 N	NA	NA	NA	NA	5.3 U	6 U	5.1 U	5.3 U	5.8 B	7.2 U	5.7 U
BENZENE	12000	1100 C	NA	NA	NA	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U
CHLOROMETHANE	NC	12000 N	NA	NA	NA	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	0.22 U	0.25 U	0.21 U	0.22 U	0.24 U	0.3 U	0.24 U
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	0.16 U	0.18 U	0.15 U	0.16 U	0.18 U	0.22 U	0.17 U
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U
STYRENE	1600000	630000 N	NA	NA	NA	NA	0.13 U	0.14 U	0.12 U	0.13 U	0.14 U	0.17 U	0.14 U
TERT-AMYL METHYL ETHER	NC	NC	NA	NA	NA	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U
TOLUENE	630000	500000 N	NA	NA	NA	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	12 U	12 U	12 U	12 U	12 U	12 U	12 U
PHENOL	2300000	1800000 N	NA	NA	NA	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	3.9 U	3.7 U	4.1 U	3.9 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ACENAPHTHENE	470000	340000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ACENAPHTHYLENE	470000	340000 N[6]	3.9 U	3.7 U	93	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ANTHRACENE	2300000	1700000 N	3.9 U	3.7 U	36	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BAP EQUIVALENT-HALFND	22	15	26	3.7 U	131	3.9 U	3.8 U	5.8	3.8 U	3.9 U	4 U	4 U	3.9 U
BAP EQUIVALENT-POS	22	15 C	24	3.7 U	129	3.9 U	3.8 U	1.3	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(A)ANTHRACENE	220	150 C	18	3.7 U	58	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(A)PYRENE	22	15 C	19	3.7 U	99	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(B)FLUORANTHENE	220	150 C	20 J	3.7 U	140 J	3.9 U	3.8 U	13	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	16	3.7 U	160	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500 C	11	3.7 U	56	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	22	1.2 U	82	1.3 U	1.3 U	8.7	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15 C	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
FLUORANTHENE	310000	230000 N	34	3.7 U	72	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U
FLUORENE	310000	230000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150 C	11 J	3.7 U	99 J	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
NAPHTHALENE	160000	3600 C	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
PHENANTHRENE	2300000	170000 N[7]	3.9 U	3.7 U	14	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
PYRENE	230000	170000 N	55	3.7 U	180	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U
TOTAL PAHS	NC	NC	206	0 U	1089	0 U	0 U	51.7	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	0.22 B	0.19 B	0.072 B	0.11 B	0.084 B	0.36 J	0.12 B
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	3.9 J	4.6 J	2.6 J	2.1 J	2.4 J	4.3 J	1.3 J
BARIUM	1600	1500 N	NA	NA	NA	NA	11.2	20.7	19.2	12.6	14.2	18	7
BERYLLIUM	16	16 N	NA	NA	NA	NA	3.4	2.8	2.7	1.1	1.1	3	1.8
CADMIUM	3.9	7 N	NA	NA	NA	NA	0.077 J	0.054 J	0.096 J	0.011 B	0.012 B	0.019 B	0.012 B
CHROMIUM	12000 [8]	12000 N[8]	NA	NA	NA	NA	20 J	17.8 J	13.4 J	10.1 J	11.4 J	21.6 J	14.4 J
COBALT	NC	2.3 N	NA	NA	NA	NA	10.9 J	5.9 J	8.2 J	4.3 J	3 J	8.1 J	7.2 J
COPPER	310	310 N	NA	NA	NA	NA	17.9 J	18.8 J	6.4 J	8.6 J	23.1 J	21.9 J	39 J
IRON	5500	5500 N	NA	NA	NA	NA	31000 J	19200 J	5110 J	8650 J	6580 J	32800 J	23200 J
LEAD	400	400	NA	NA	NA	NA	4.9	10.4	5.6	4.8	6	6.7	4.4
MANGANESE	160	180 N	NA	NA	NA	NA	33.6	31.6	9.7	30.9	14.9	64.2	52.5
MERCURY	2.3 [9]	2.3 N[10]	NA	NA	NA	NA	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	0.43	0.67	0.073 U	0.12 J	0.17 J	0.51	0.15 J
NICKEL	160	150 N	NA	NA	NA	NA	31.6 J	15.7 J	17.6 J	9.1 J	6.3 J	24.4 J	18.1 J
SELENIUM	39	39 N	NA	NA	NA	NA	2.3	2	4.5	1.3	1.5	1.8	1
SILVER	39	39 N	NA	NA	NA	NA	0.019 UL	0.082 J	0.018 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL
THALLIUM	0.55	NC	NA	NA	NA	NA	0.11 B	0.13 B	0.14 B	0.077 B	0.1 B	0.089 B	0.07 B
VANADIUM	7.8	39 N[11]	NA	NA	NA	NA	41 J	29.7 J	6.6 J	13.8 J	17.7 J	36.3 J	14.9 J
ZINC	2300	2300 N	NA	NA	NA	NA	47.9 J	47 J	46.5 J	25 J	21.9 J	48.5 J	83.2 J
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	3200 B	6600 B	6500 B	4400 J	3400 U	3400 U	3300 U
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	53 U	57 U	53 U	54 U	56 U	56 U	54 U
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	0.83 J	0.34 U	0.34 J	0.32 U	0.33 U	0.33 U	0.35 J
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-784	SB-784	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787
SAMPLE ID					D-SB-784-13	D-SB-784-15	D-SB-785-11	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15
SAMPLE DATE					20100902	20100902	20100908	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH					13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		0.14 U	0.16 U	0.15 U	0.16 U	0.15 U	0.12 U	3.2 J	0.16 J	0.14 U	0.14 U	0.14 U
2-BUTANONE	4700000		2800000	N	1.2 U	1.3 U	1.6 J	1.3 U	3.3 J	120 B	38 U	1.1 U	1.1 U	1.2 U	1.7 J
ACETONE	7000000		6100000	N	5.4 U	5.7 U	37 B	28 B	200 B	260 B	350 B	16 B	29 B	100 B	200 B
BENZENE	12000		1100	C	0.2 U	0.21 U	0.21 U	0.21 U	0.2 U	10 J	20 J	3.4 J	0.19 U	0.19 U	0.19 U
CHLOROMETHANE	NC		12000	N	0.35 U	0.37 U	0.37 U	0.7 J	0.36 U	9.8 U	13 U	0.33 U	0.33 U	0.34 U	0.35 U
ETHYLBENZENE	780000		5400	C	0.22 U	0.24 U	0.23 U	0.24 U	0.23 U	3.8 U	9.2 J	0.35 J	0.21 U	0.22 U	0.22 U
M+P-XYLENES	1600000	[4]	63000	N[5]	1 U	1.1 U	1.1 U	1.1 U	1.1 U	12 J	20 J	0.96 U	0.97 U	1 U	1 U
METHYLENE CHLORIDE	85000		11000	C	0.57 U	0.61 U	0.6 U	0.62 U	0.59 U	74 J	77 J	0.54 U	0.54 U	0.56 U	0.57 U
NAPHTHALENE	160000		3600	C	0.16 U	0.17 U	0.8 B	0.81 B	0.81 B	260	530	47	0.76 B	0.77 B	0.76 B
O-XYLENE	1600000	[4]	380000	N	0.3 U	0.32 U	0.31 U	0.32 U	0.31 U	6.3 J	12 J	0.57 J	0.28 U	0.29 U	0.3 U
STYRENE	1600000		630000	N	0.13 U	0.14 U	0.13 U	0.14 U	0.13 U	3.9 U	5 U	0.12 U	0.12 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	NC		NC		0.31 U	0.34 U	0.33 UJ	0.34 UJ	0.33 UJ	0.26 UJ	0.33 UJ	0.3 UJ	0.3 UJ	0.31 UJ	0.31 UJ
TOLUENE	630000		500000	N	0.23 U	0.25 U	0.28 J	0.25 U	0.24 U	13 J	31 J	0.58 J	0.22 U	0.23 U	0.23 U
TOTAL XYLENES	1600000	[4]	63000	N	0.57 U	0.61 U	0.6 U	0.62 U	0.59 U	18 J	32 J	1 J	0.54 U	0.56 U	0.57 U
TRICHLOROFLUOROMETHANE	NC		79000	N	0.29 U	0.31 U	0.31 U	0.31 U	0.3 U	11 U	14 U	0.27 U	0.28 U	0.29 U	0.29 U
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	78	23 U	22 U	23 U	22 U	22 U	23 U	21 U	22 U	22 U	21 U
BUTYL BENZYL PHTHALATE	NC		260000	C	12 U	22 J	12 U	12 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U
PHENOL	2300000		1800000	N	31 U	33 U	32 U	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ACENAPHTHENE	470000		340000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ACENAPHTHYLENE	470000		340000	N[6]	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ANTHRACENE	2300000		1700000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BAP EQUIVALENT-HALFND	22		15		3.8 U	4.1 U	3.9 U	18	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BAP EQUIVALENT-POS	22		15	C	3.8 U	4.1 U	3.9 U	16	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(A)ANTHRACENE	220		150	C	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(A)PYRENE	22		15	C	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(B)FLUORANTHENE	220		150	C	3.8 U	4.1 U	3.9 U	17	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(K)FLUORANTHENE	2200		1500	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.3 U	1.4 U	1.3 U	11	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22		15	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
FLUORANTHENE	310000		230000	N	3.8 U	4.1 U	3.9 U	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
FLUORENE	310000		230000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220		150	C	3.8 U	4.1 U	3.9 U	9.1	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
NAPHTHALENE	160000		3600	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	11	3.7 U	3.8 U	3.9 U	3.7 U
PHENANTHRENE	2300000		170000	N[7]	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
PYRENE	230000		170000	N	3.8 U	4.1 U	3.9 U	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
TOTAL PAHS	NC		NC		0 U	0 U	0 U	101.1	0 U	0 U	11	0 U	0 U	0 U	0 U
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	0.18 B	0.39 J	0.28 J	0.12 J	0.28 J	0.027 UL	0.075 J	0.064 J	0.33 J	0.22 J	0.027 UL
ARSENIC	0.43		0.39	C	2.5 J	7.2 J	3.2 L	3.1 L	3.8 L	2.5	1.3	0.88 L	5 L	5.4 L	1.7 L
BARIUM	1600		1500	N	13.1	20.6	12.7 J	15.1 J	10.9 J	6.8 J	14.4 J	4.4 J	10.8 J	15.7 J	10.7 J
BERYLLIUM	16		16	N	2.7	5	6.4 J	4.6 J	4.5 J	0.31	0.98	0.3 J	2.8 J	3.7 J	1.7 J
CADMIUM	3.9		7	N	0.014 B	0.023 B	0.0092 U	0.12 K	0.013 B	0.023 J	0.041 J	0.034 J	0.078 J	0.091 J	0.077 J
CHROMIUM	12000	[8]	12000	N[8]	25.7 J	32.5 J	28.8 J	23.2 J	28.7 J	3.8	18.9	2.1 J	28.9 J	27.8 J	4.7 J
COBALT	NC		2.3	N	9.2 J	14.3 J	8	13.7	8.6	1.5	8.5	1.9	7.5	11.7	4.8
COPPER	310		310	N	16.6 J	37 J	23.5	56.2	14.6	3.1 J	4.9 J	5	10.5	15.4	5
IRON	5500		5500	N	31400 J	60600 J	38700 J	34200 J	37900 J	1830 J	13500 J	462 J	33800 J	21700 J	1020 J
LEAD	400		400		4.4	6.3	6.7	14	4.8	2.8 J	3.8 J	1.3	12.3	8.2	3.5
MANGANESE	160		180	N	55.4	142	66.4	96	54.1	3.1 J	5.6 J	1.6	20.4	15.9	6.9
MERCURY	2.3	[9]	2.3	N[10]	0.017 U	0.018 U	0.018 U	0.059 J	0.018 U	0.017 U	0.018 U	0.017 U	0.017 U	0.018 U	0.017 U
MOLYBDENUM	NC		39	N	0.44	0.82	0.32	0.6	0.55	0.072 U	0.13 J	0.095 J	0.78	0.31	0.18 J
NICKEL	160		150	N	25.4 J	37.6 J	22.4 J	32.8 J	27.7 J	2.5 J	14 J	3.2 J	16.1 J	25 J	9.1 J
SELENIUM	39		39	N	0.89	1.4	1.1 J	1.1 J	1.5 L	4.6 L	2 L	0.57 J	1.5 L	1.6 L	1.8 L
SILVER	39		39	N	0.019 UL	0.026 J	0.019 UJ	0.029 J	0.019 UJ	0.018 U	0.019 U	0.047 J	0.018 UJ	0.019 UJ	0.026 J
THALLIUM	0.55		NC		0.074 B	0.11 B	0.12	0.094 B	0.084 B	0.037 J	0.12 L	0.064 B	0.056 B	0.11 J	0.07 B
VANADIUM	7.8		39	N[11]	42.2 J	50.4 J	30.7	34.4	48.3	4.6	16.5	1.6	66.9	54.8	6
ZINC	2300		2300	N	45.7 J	81.3 J	65.8	114	42.5	3.4 J	16.9 J	4.7	27.2	45.3	23.5
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		3300 U	3500 U	3300 UJ	17000	3300 U	3200 U	4300 J	3800 J	3200 UJ	3300 UJ	3100 UJ
GASOLINE RANGE ORGANICS	230000		NC		54 U	57 U	54 U	56 U	54 U	53 U	79 J	52 U	52 U	54 U	52 U
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	0.63 J	0.33 U	0.88 J	0.33 U	0.8 J	0.31 U	0.55 J	0.3 U	0.31 U	0.32 U	0.32 J
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-788	SB-788	SB-788	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID			D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13
SAMPLE DATE			20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH			11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC	0.2 U	0.17 U	0.14 U	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.15 U	0.18 U
2-BUTANONE	4700000	2800000 N	1.6 U	1.9 J	1.3 J	1.1 U	1.2 U	1.7 J	1.3 U	1.2 U	1.2 U	1.2 U	4 J
ACETONE	7000000	6100000 N	18 B	22 B	230	30 B	5.2 U	100	150 U	110	19 B	5.4 U	60 B
BENZENE	12000	1100 C	0.27 U	0.23 U	0.18 U	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U
CHLOROMETHANE	NC	12000 N	0.48 U	0.4 U	0.33 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U
ETHYLBENZENE	780000	5400 C	0.3 U	0.25 U	0.21 U	0.21 U	0.22 U	0.23 U	0.24 U	0.23 U	0.22 U	0.22 U	0.27 U
M+P-XYLENES	1600000 (4)	63000 N(5)	1.4 U	1.2 U	0.96 U	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U
METHYLENE CHLORIDE	85000	11000 C	0.78 U	0.66 U	0.53 U	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.81 B	0.82 B
NAPHTHALENE	160000	3600 C	1.1 B	0.87 B	0.73 B	0.16 U	0.16 U	0.17 U	0.18 U	0.17 U	0.16 U	0.79 B	1 B
O-XYLENE	1600000 (4)	380000 N	0.41 U	0.34 U	0.28 U	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U
STYRENE	1600000	630000 N	0.18 U	0.15 U	0.12 U	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U	0.13 U	0.16 J
TERT-AMYL METHYL ETHER	NC	NC	0.43 UJ	0.36 UJ	0.3 UJ	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U
TOLUENE	630000	500000 N	0.43 J	0.4 J	0.22 U	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U
TOTAL XYLENES	1600000 (4)	63000 N	0.78 U	0.66 U	0.53 U	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.57 U	0.7 U
TRICHLOROFLUOROMETHANE	NC	79000 N	0.4 U	0.33 U	0.27 U	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	23 U	24 U	22 U	22 U	23 U	22 U	23 U	140	22 U	22 U	23 J
BUTYL BENZYL PHTHALATE	NC	260000 C	12 U	12 U	12 U	12 U	29 J	12 U	12 U	12 U	12 U	12 U	12 U
PHENOL	2300000	1800000 N	32 U	33 U	31 U	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ACENAPHTHYLENE	470000	340000 N(6)	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-HALFND	22	15	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(B)FLUORANTHENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
FLUORANTHENE	310000	230000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
FLUORENE	310000	230000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
NAPHTHALENE	160000	3600 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000 N(7)	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
PYRENE	230000	170000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	0.43 J	0.31 J	0.39 J	0.14 J	0.47 J	0.32 J	0.051 J	0.41 J	0.22 J	0.11 B	0.18 B
ARSENIC	0.43	0.39 C	**5.6**	**7.5**	**5.2**	**2.8**	**6.8**	**4.5**	**2.1**	**5**	**3.3**	**3.9 L**	**2.8 L**
BARIUM	1600	1500 N	25.2	10.8	23	11.3	23.6	16.7	16.1	14	20.9	7.3	7.2
BERYLLIUM	16	16 N	0.057 U	0.058 U	5.5	1.8	10.5	7.2	1.6	4.2	4.2	1 J	1.3 J
CADMIUM	3.9	7 N	0.034 J	0.021 B	0.031 B	0.013 B	0.041 J	0.034 J	0.0096 UL	0.025 B	0.027 B	0.015 B	0.017 B
CHROMIUM	12000 (8)	12000 N(8)	34	30.2	30.9	13.7	33.3	27.8	9.4	22.1	22.7	15.9	20.6
COBALT	NC	2.3 N	**12.3**	**5.1**	**11.2**	**5.7**	**21.3**	**18.1**	**2.6**	**8.8**	**7.4**	**3.7**	**5.9**
COPPER	310	310 N	22.5 L	24 L	20.5 L	14.5 L	48.6 L	23.5 L	12.8 L	20.1 L	18.5 L	6.1	12.5
IRON	5500	5500 N	**49900**	**42200**	**43700**	**18400**	**85000**	**43700**	**6230**	**36600**	**28600**	**17100**	**26600**
LEAD	400	400	9.8	6.4	8.6	4.5	10.3	5.9	3.6	7.4	4.2	5.6	4.9
MANGANESE	160	180 N	104	38.8	93.6	49	**341**	106	5.2	107	47.2	7.4 J	11.7 J
MERCURY	2.3 (9)	2.3 N(10)	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.017 U	0.017 U	0.018 U
MOLYBDENUM	NC	39 N	0.77	0.77	0.7	0.22 J	1	0.67	0.11 J	0.6	0.46	0.28	0.61
NICKEL	160	150 N	37.6	16.9	34.8	15.7	54.1	41.7	5.4	27.6	24.6	9.3	17.7
SELENIUM	39	39 N	1.8 J	0.6 J	1.7 J	1.8 J	1.6 J	1.5 J	1.4 J	3.3 J	2.3 J	4.9 L	1.4 L
SILVER	39	39 N	0.019 U	0.02 U	0.018 U	0.019 U	0.029 B	0.024 B	0.02 U	0.019 U	0.019 U	0.019 U	0.019 U
THALLIUM	0.55	NC	0.15 J	0.052 J	0.13 B	0.057 B	0.11 B	0.086 B	0.088 B	0.094 B	0.089 B	0.06 J	0.051 J
VANADIUM	7.8	39 N(11)	**40**	**64.7**	**36.7**	**24.8**	**66.2**	**56.5**	**17.1**	**35.1**	**38.5**	**23.5**	**44.3**
ZINC	2300	2300 N	70.5 J	26.5 J	64.2 J	24.8 J	96.2 J	66.4 J	8.9 J	36.9 J	34 J	11.1	17.8
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	3400 U	4600 J	3200 U	3700 J	3400 U	3300 U	3400 J	3400 U	3300 U	3200 U	3300 U
GASOLINE RANGE ORGANICS	230000	NC	55 U	57 U	53 U	54 U	55 U	53 U	57 U	55 U	54 U	53 U	55 U
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29 C	0.32 U	**0.79 J**	0.31 U	0.32 U	**0.36 J**	0.31 U	**0.49 J**	0.32 U	**0.31 J**	**0.32 J**	0.32 U
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-791	SB-792	SB-792	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795
SAMPLE ID					D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11
SAMPLE DATE					20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH					15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U
2-BUTANONE	4700000		2800000	N	1.3 U	1.2 U	1.3 U	2 J	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U
ACETONE	7000000		6100000	N	11 B	130 B	38 B	170 B	5.8 U	5.7 U	5.6 U	5.5 U	5.5 U	8.1 B	16 B
BENZENE	12000		1100	C	0.21 U	0.2 U	0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U
CHLOROMETHANE	NC		12000	N	0.37 U	0.36 U	0.37 U	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U
ETHYLBENZENE	780000		5400	C	0.24 U	0.23 U	0.24 U	0.24 U	0.24 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U
M+P-XYLENES	1600000	[4]	63000	N[5]	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U
METHYLENE CHLORIDE	85000		11000	C	0.9 B	1.1 B	0.77 B	1.9 B	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	1.2 B
NAPHTHALENE	160000		3600	C	0.83 B	0.8 B	0.79 B	0.87 B	0.18 U	0.17 U	0.17 U	0.17 U	0.75 B	0.77 B	0.88 B
O-XYLENE	1600000	[4]	380000	N	0.32 U	0.3 U	0.32 U	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U
STYRENE	1600000		630000	N	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.15 U
TERT-AMYL METHYL ETHER	NC		NC		0.34 U	0.32 U	0.34 U	0.35 UJ	0.34 UJ	0.96 J	0.33 UJ	0.32 U	0.32 UJ	0.33 UJ	0.38 U
TOLUENE	630000		500000	N	0.25 U	0.23 U	0.25 U	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U
TOTAL XYLENES	1600000	[4]	63000	N	0.61 U	0.58 U	0.61 U	0.63 U	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	0.68 U
TRICHLOROFLUOROMETHANE	NC		79000	N	0.31 U	0.3 U	0.31 U	0.32 U	0.35 J	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	23 U	22 U	110	22 U	23 U	22 U	23 U	22 U	27 J	22 U	25 J
BUTYL BENZYL PHTHALATE	NC		260000	C	12 U	12 U	13 U	12 U	12 U	12 U	28 J	12 U	12 U	12 U	12 U
PHENOL	2300000		1800000	N	33 U	31 U	34 U	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHENE	470000		340000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHYLENE	470000		340000	N[6]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ANTHRACENE	2300000		1700000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	22		15		4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	22		15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	220		150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)PYRENE	22		15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(B)FLUORANTHENE	220		150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	2200		1500	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
FLUORANTHENE	310000		230000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
FLUORENE	310000		230000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220		150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
NAPHTHALENE	160000		3600	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
PHENANTHRENE	2300000		170000	N[7]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
PYRENE	230000		170000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
TOTAL PAHS	NC		NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	0.68 J	0.14 B	0.83 J	0.043 B	0.28 B	0.17 B	0.12 B	0.074 B	0.36 J	0.17 B	0.085 B
ARSENIC	0.43		0.39	C	8.2 L	3.3 L	5 J	0.65 L	4.6 J	2.7 J	2.1 J	1.5 J	7 J	2.3 J	2.3 J
BARIUM	1600		1500	N	14.3	11.5	10.3	9	12.7	12.6	14.8	15.3	20.9	14.7	12.2
BERYLLIUM	16		16	N	3.5 J	2.1 J	6.4 J	0.99 J	2.3 J	1.5 J	1.4 J	0.78 J	2.7 J	1.4 J	0.38 J
CADMIUM	3.9		7	N	0.025 B	0.019 B	0.027 B	0.02 B	0.022 B	0.024 B	0.017 B	0.014 B	0.033 B	0.02 B	0.0093 UL
CHROMIUM	12000	[8]	12000	N[8]	56.1	26.3	54.8	12.1	26.5 J	18 J	17.8 J	9.6 J	26.4 J	22.6 J	12.4 J
COBALT	NC		2.3	N	13.5	8.7	13.6	5.4	15 J	11 J	11.9 J	6 J	14.6 J	10.6 J	1.7 J
COPPER	310		310	N	30.2	17.8	47.9	6.3	27.5 J	15.8 J	21.3 J	6.5 J	20.6 J	11 J	10.9 J
IRON	5500		5500	N	87200	34100	134000	6810	33500 J	22400 J	15400 J	9930 J	41800 J	23400 J	9260 J
LEAD	400		400		18.4	6.7	15.9	2.4	6.8	6.5	4.9	4.1	8.1	3	4.9
MANGANESE	160		180	N	23.8 J	20.8 J	31.1 J	5.8 J	20.5 J	10.2 J	7.1 J	20 J	50.8 J	20.6 J	11.4 J
MERCURY	2.3	[9]	2.3	N[10]	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
MOLYBDENUM	NC		39	N	1.5	0.54	1.5	0.11 B	0.65	0.44	0.24 B	0.09 B	0.63	0.32	0.087 B
NICKEL	160		150	N	27.9	16.1	37.5	8.5	28.5 J	18.7 J	23.3 J	12.1 J	35.2 J	23.5 J	3.9 J
SELENIUM	39		39	N	1.3 L	1 L	0.97 L	0.93 L	1 L	0.97 L	1.3 L	1.3 L	4.5 L	1.5 L	1.4 L
SILVER	39		39	N	0.02 U	0.021 B	0.02 B	0.019 U	0.024 B	0.019 U	0.02 U	0.019 U	0.026 B	0.021 B	0.019 U
THALLIUM	0.55		NC		0.1 J	0.06 J	0.068 J	0.057 J	0.093 J	0.091 J	0.14	0.094 J	0.11 J	0.096 J	0.12
VANADIUM	7.8		39	N[11]	102	55.7	111	14.9	54.7 J	35.1 J	28.1 J	15.5 J	45.7 J	31.1 J	14.6 J
ZINC	2300		2300	N	37.2	24.1	45.2	12.8	35.6 L	24 L	29 L	15.4 L	45.2 L	26.2 L	5.6 L
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		3500 U	4500 J	4800 J	8900 J	4000 J	3300 U	3400 U	3300 UJ	3400 UJ	3300 UJ	4800 J
GASOLINE RANGE ORGANICS	230000		NC		57 U	53 U	58 U	53 U	55 U	54 U	56 U	54 UJ	56 UJ	54 UJ	55 UJ
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	0.33 U	0.31 U	0.34 U	0.31 U	0.32 U	0.32 U	0.33 U	0.36 J	0.44 J	0.59 J	0.67 J
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID					D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE					20100909	20100909	20100910	20100910	20100910
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB
TOP DEPTH					13	15	11	13	15
BOTTOM DEPTH					13	15	11	13	15
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC		NC		0.17 U	0.18 U	0.14 U	0.15 U	0.14 U
2-BUTANONE	4700000		2800000	N	1.4 U	1.4 U	1.1 U	1.2 U	1.2 U
ACETONE	7000000		6100000	N	6.3 U	6.5 U	5.1 U	5.5 U	5.3 U
BENZENE	12000		1100	C	0.23 U	0.24 U	0.19 U	0.2 U	0.19 U
CHLOROMETHANE	NC		12000	N	0.41 U	0.42 U	0.33 U	0.36 U	0.34 U
ETHYLBENZENE	780000		5400	C	0.26 U	0.27 U	0.21 U	0.23 U	0.22 U
M+P-XYLENES	1600000	[4]	63000	N[5]	1.2 U	1.2 U	0.97 U	1.1 U	1 U
METHYLENE CHLORIDE	85000		11000	C	1.1 B	0.69 U	0.78 B	0.86 B	0.96 B
NAPHTHALENE	160000		3600	C	0.86 B	0.92 B	0.69 B	0.74 B	0.7 B
O-XYLENE	1600000	[4]	380000	N	0.35 U	0.36 U	0.28 U	0.31 U	0.29 U
STYRENE	1600000		630000	N	0.15 U	0.15 U	0.12 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	NC		NC		0.37 U	0.38 UJ	0.3 U	0.32 U	0.31 U
TOLUENE	630000		500000	N	0.27 U	0.28 U	0.22 U	0.24 U	0.23 U
TOTAL XYLENES	1600000	[4]	63000	N	0.67 U	0.69 U	0.54 U	0.59 U	0.56 U
TRICHLOROFLUOROMETHANE	NC		79000	N	0.34 U	0.35 U	0.27 U	0.3 U	0.28 U
SEMIVOLATILES (UG/KG)									
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	23 U	23 U	22 U	23 U	22 U
BUTYL BENZYL PHTHALATE	NC		260000	C	12 U	12 U	12 U	12 U	11 U
PHENOL	2300000		1800000	N	33 U	32 U	31 U	33 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	4 U	4 U	3.8 U	4 U	3.8 U
ACENAPHTHENE	470000		340000	N	4 U	4 U	3.8 U	4 U	3.8 U
ACENAPHTHYLENE	470000		340000	N[6]	4 U	4 U	3.8 U	4 U	3.8 U
ANTHRACENE	2300000		1700000	N	4 U	4 U	3.8 U	4 U	3.8 U
BAP EQUIVALENT-HALFND	22		15		4 U	4 U	3.8 U	4 U	3.8 U
BAP EQUIVALENT-POS	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(A)ANTHRACENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(A)PYRENE	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(B)FLUORANTHENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(K)FLUORANTHENE	2200		1500	C	4 U	4 U	3.8 U	4 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
FLUORANTHENE	310000		230000	N	4 U	4 U	3.8 U	4 U	3.8 U
FLUORENE	310000		230000	N	4 U	4 U	3.8 U	4 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
NAPHTHALENE	160000		3600	C	4 U	4 U	3.8 U	4 U	3.8 U
PHENANTHRENE	2300000		170000	N[7]	4 U	4 U	3.8 U	4 U	3.8 U
PYRENE	230000		170000	N	4 U	4 U	3.8 U	4 U	3.8 U
TOTAL PAHS	NC		NC		0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1		3.1	N	0.42 J	0.24 B	0.065 J	0.029 U	0.2 J
ARSENIC	0.43		0.39	C	**4.2 J**	**3.2 J**	**1.3**	**0.43 J**	**7.3**
BARIUM	1600		1500	N	15	14	10.5	6.7	9.7
BERYLLIUM	16		16	N	2.4 J	1.7 J	0.91	0.48	0.71
CADMIUM	3.9		7	N	0.02 B	0.015 B	0.023 B	0.025 B	0.02 B
CHROMIUM	12000	[8]	12000	N[8]	32.7 J	25.5 J	17.3	3.7	3.5
COBALT	NC		2.3	N	**11.8 J**	**10 J**	**3.9**	**2.4**	**3.6**
COPPER	310		310	N	24.2 J	17.7 J	9.4	6.2	23.2
IRON	5500		5500	N	**39400 J**	**28500 J**	**11100**	1050	1610
LEAD	400		400		7.5	4.4	2.8	1.4	1.8
MANGANESE	160		180	N	52.1 J	41.9 J	5	2.9	3.6
MERCURY	2.3	[9]	2.3	N[10]	0.018 U	0.018 U	0.017 U	0.018 U	0.017 U
MOLYBDENUM	NC		39	N	0.58	0.42	0.16 J	0.077 U	0.078 J
NICKEL	160		150	N	30 J	24.5 J	8.5	4.1	5.7
SELENIUM	39		39	N	1.5 L	2.2 L	1 K	0.72 K	0.94 K
SILVER	39		39	N	0.02 U	0.019 U	0.018 U	0.02 U	0.029 J
THALLIUM	0.55		NC		0.14	0.1 J	0.052 B	0.041 B	0.08 B
VANADIUM	7.8		39	N[11]	**43.2 J**	**36.4 J**	**26.5**	4.2	2.6
ZINC	2300		2300	N	38 L	30.6 L	11	7.3	12.4
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000		NC		8300 J	3400 U	5000 J	3400 J	3200 U
GASOLINE RANGE ORGANICS	230000		NC		56 UJ	55 UJ	53 U	56 U	53 U
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23		0.29	C	**0.62 J**	0.32 U	**0.56 J**	0.33 U	0.31 U
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	6 U	6 U	5 U	NA	45	6 U	6 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	5 U	NA	140	6 U	6 U
1,2,4-TRIMETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DIBROMOETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-BUTANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
2-CHLOROETHYL VINYL ETHER	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-CHLOROTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-HEXANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
4-CHLOROTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
4-METHYL-2-PENTANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
ACETONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
BENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOCHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOFORM	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CARBON DISULFIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLORODIBROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROFORM	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DIBROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
M+P-XYLENES	11 U	12 U	11 U	NA	12 U	11 U	12 U
METHYL TERT-BUTYL ETHER	6 U	6 U	5 U	NA	6 U	6 U	6 U
METHYLENE CHLORIDE	6 U	9 J	8 J	NA	8 J	8 J	8 J
NAPHTHALENE	6 U	6 U	5 U	NA	58	6 U	6 U
N-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
N-PROPYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
O-XYLENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
SEC-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
STYRENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
VINYL ACETATE	6 U	6 U	5 U	NA	6 U	6 U	6 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
VINYL CHLORIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4,5-TRICHLOROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2,4,6-TRICHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DICHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DIMETHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DINITROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2,4-DINITROTOLUENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,6-DINITROTOLUENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-CHLORONAPHTHALENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-CHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2-NITROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3&4-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3,3'-DICHLOROBENZIDINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
4,6-DINITRO-2-METHYLPHENOL	870 U	900 U	8300 U	NA	910 U	870 U	910 U
4-BROMOPHENYL PHENYL ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLORO-3-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLOROANILINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLOROPHENYL PHENYL ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
4-NITROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
ACETOPHENONE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BIS(2-CHLOROETHYL)ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BUTYL BENZYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
CAPROLACTAM	140 J	390 U	3600 U	NA	390 U	380 U	390 U
CARBAZOLE	380 U	390 U	3600 U	NA	89 J	380 U	390 U
DIBENZOFURAN	380 U	390 U	3600 U	NA	250 J	380 U	390 U
DIETHYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DIMETHYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DI-N-BUTYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DI-N-OCTYL PHTHALATE	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U
HEXACHLOROBENZENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROBUTADIENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROCYCLOPENTADIENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROETHANE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ISOPHORONE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
NITROBENZENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
N-NITROSODIPHENYLAMINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
PENTACHLOROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
PHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	380 U	390 U	3600 U	NA	41 J	380 U	390 U
ACENAPHTHENE	380 U	390 U	3600 U	NA	180 J	380 U	390 U
ACENAPHTHYLENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ANTHRACENE	380 U	390 U	3600 U	NA	220 J	380 U	390 U
BAP EQUIVALENT-HALFND	380 U	390 U	3600 U	NA	365	380 U	390 U
BAP EQUIVALENT-POS	380 U	390 U	3600 U	NA	170	380 U	390 U
BENZO(A)ANTHRACENE	380 U	390 U	3600 U	NA	240 J	380 U	390 U
BENZO(A)PYRENE	380 U	390 U	3600 UJ	NA	110 J	380 U	390 U
BENZO(B)FLUORANTHENE	380 U	390 U	3600 UJ	NA	220 J	380 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	390 U	3600 UJ	NA	170 J	380 U	390 U
BENZO(K)FLUORANTHENE	380 U	390 U	3600 UJ	NA	200 J	380 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	390 U	3600 U	NA	370 J	380 U	390 U
DIBENZO(A,H)ANTHRACENE	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U
FLUORANTHENE	380 U	390 U	440 J	NA	1200	380 U	390 U
FLUORENE	380 U	390 U	3600 U	NA	150 J	380 U	390 U
INDENO(1,2,3-CD)PYRENE	380 U	390 U	3600 UJ	NA	120 J	380 U	390 U
NAPHTHALENE	380 U	390 U	3600 U	NA	50 J	380 U	390 U
PHENANTHRENE	380 U	390 U	3600 U	NA	2200	380 U	390 U
PYRENE	380 U	390 U	440 J	NA	1000	380 U	390 U
TOTAL PAHS	0 U	0 U	880	NA	6471	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1221	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1232	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1242	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1248	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1254	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1260	280 U	290 U	350	38 U	180000	280 U	290 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	350	0 U	180000	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	2.8 UL	2.9 U	2.4 U	NA	2.7 UL	2.5 U	2.9 U
ARSENIC	1.1	0.98	1.5	NA	1.5	0.92	1.2
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
CADMIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
CHROMIUM	19 J	10 K	15	NA	18 J	6.6 K	15
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	8.2	15	13	NA	11	4.4 L	14
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	3	2.9 UJ	82 J	NA	8.9	3.9 J	4.7 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	0.098 U	NA	0.12	0.1 U	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	6.5	7.5	20	NA	14	4.3 K	10
SELENIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
SILVER	2.8 UR	2.9 UL	2.4 UL	NA	2.7 UR	2.5 UL	2.9 UL
THALLIUM	2.2 U	2.3 UL	2 UL	NA	2.2 U	2 UL	2.3 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	28 UL	29 UL	110 L	NA	27 UL	25 UL	29 UL
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	11000 U	12000 U	11000 U	NA	330000	11000 U	13000
GASOLINE RANGE ORGANICS	110 U	120 U	110 U	NA	830	120 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1221	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1232	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1242	NA	NA	NA	39 U	37 U	39 U	32 J	39 U	37 U
AROCLOR-1248	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1254	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1260	NA	NA	NA	94	140	39 U	80	8.5 J	1070
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	94	140	0 U	112	8.5	1070
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	0.03 U	1.02	0.15 U	NA	NA	NA	NA	NA	NA
ALUMINUM-26	-0.1 U	0.043 U	-0.05 U	NA	NA	NA	NA	NA	NA
AMERICIUM-241	-0.41 U	0 U	-0.11 U	NA	NA	NA	NA	NA	NA
ANTIMONY-124	0.01 U	0.12 U	-0.13 U	NA	NA	NA	NA	NA	NA
ANTIMONY-125	-0.01 U	0.07 U	0.13 U	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	0.39 U	0.17 U	-0.9 U	NA	NA	NA	NA	NA	NA
BISMUTH-212	0.1 U	2.3	0.1 U	NA	NA	NA	NA	NA	NA
BISMUTH-214	0.1 UJ	0.67 J	0.38 UJ	NA	NA	NA	NA	NA	NA
CERIUM-139	0.026 U	-0.014 U	0.05 U	NA	NA	NA	NA	NA	NA
CERIUM-144	-0.22 U	-0.55 U	0.07 U	NA	NA	NA	NA	NA	NA
CESIUM-134	0.01 U	-0.28 U	0.01 U	NA	NA	NA	NA	NA	NA
CESIUM-137	0.145	-0.048 U	0.08 U	NA	NA	NA	NA	NA	NA
CHROMIUM-51	-0.5 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA
COBALT-56	0.08 U	0.19 U	0.05 U	NA	NA	NA	NA	NA	NA
COBALT-57	0.008 U	-0.055 U	0 U	NA	NA	NA	NA	NA	NA
COBALT-58	-0.14 U	0.03 U	0.22 UJ	NA	NA	NA	NA	NA	NA
COBALT-60	0.065 U	0.018 U	0 U	NA	NA	NA	NA	NA	NA
EUROPIUM-152	-0.02 U	0.01 U	-0.56 U	NA	NA	NA	NA	NA	NA
EUROPIUM-154	-0.13 U	0.08 U	0.38 U	NA	NA	NA	NA	NA	NA
EUROPIUM-155	0.24 U	0 U	0.1 U	NA	NA	NA	NA	NA	NA
IODINE-131	0.4 U	-0.23 U	0.1 U	NA	NA	NA	NA	NA	NA
IRON-59	-0.16 U	-0.16 U	0.47 UJ	NA	NA	NA	NA	NA	NA
LEAD-212	0.3	1.2	0.3 UJ	NA	NA	NA	NA	NA	NA
LEAD-214	0.25 UJ	1.09 J	0.42 J	NA	NA	NA	NA	NA	NA
MANGANESE-54	-0.022 U	0.037 U	0.07 U	NA	NA	NA	NA	NA	NA
NIOBIUM-94	-0.027 U	0.07 U	-0.14 U	NA	NA	NA	NA	NA	NA
NIOBIUM-95	0.01 U	-0.03 U	-0.07 U	NA	NA	NA	NA	NA	NA
POTASSIUM-40	4.4	9.2	3.4	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	-2 U	-7 U	9 U	NA	NA	NA	NA	NA	NA
RADIUM-226	0.32 UJ	1.22 J	0.51 UJ	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	0.38 U	-0.46 U	0.5 U	NA	NA	NA	NA	NA	NA
SCANDIUM-46	-0.006 U	-0.07 U	0.14 U	NA	NA	NA	NA	NA	NA
SILVER-110	-0.101 U	0.005 U	-0.01 U	NA	NA	NA	NA	NA	NA
SODIUM-22	-0.038 U	0.018 U	0 U	NA	NA	NA	NA	NA	NA
THALLIUM-208	0.075 U	0.39	0.1 U	NA	NA	NA	NA	NA	NA
THORIUM-227	-0.44 U	-0.59 U	0.22 U	NA	NA	NA	NA	NA	NA
THORIUM-234	-0.1 U	0.7 U	-0.6 U	NA	NA	NA	NA	NA	NA
URANIUM-235	-0.3 U	-0.45 U	-0.22 U	NA	NA	NA	NA	NA	NA
ZINC-65	-0.16 U	0.4 UJ	0.06 U	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1221	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1232	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1242	37 U	58	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1248	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1254	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1260	37 U	108	260	1700	7100	34000	24000	55000	21000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	166	260	1700	7100	34000	24000	55000	21000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	94.6	85.3	79.1	78.1	75.6	80.1	81.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1221	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1232	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1242	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1248	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1254	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1260	19000	1800000	400000	96000	25000	12000	27000	3700	27000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	19000	1800000	400000	96000	25000	12000	27000	3700	27000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	58.9	89.2	79.1	80.3	73.6	77.5	84.2	88.5	84.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	0.65 B	5.8 UJ	6.15 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	0.2 J	0.35 J	0.35 J
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	0.76 B	5.8 U	3.1 B	1 B	3.75 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	0.89 B	0.94 B	1 B	1.9 B	4.2 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	11 U	12 U	12 U	12 UJ	12.5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
2-BUTANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
2-HEXANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
4-CHLOROTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
ACETONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
BENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOFORM	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CARBON DISULFIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROFORM	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DIBROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DIISOPROPYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
ETHYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
ISOPROPYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
M+P-XYLENES	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
METHYLENE CHLORIDE	NA	NA	NA	NA	2.5 B	2.8 B	2.4 B	3.6 B	3.4 U
NAPHTHALENE	NA	NA	NA	NA	3.2 B	5.8 U	0.87 B	11 B	8.75 U
N-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
N-PROPYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
O-XYLENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	0.43 J	0.43 J
SEC-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
STYRENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	110 UR	120 UR	120 UR	120 UR	125 R
TETRACHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TOLUENE	NA	NA	NA	NA	5.7 U	0.37 J	5.9 U	0.46 J	0.46 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	1.2 J	12 U	12 U	1.1 J	1.1 J
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
VINYL ACETATE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DINITROPHENOL	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-CHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-NITROANILINE	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
2-NITROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
3-NITROANILINE	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLOROANILINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-NITROANILINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-NITROPHENOL	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
ACETOPHENONE	NA	NA	NA	NA	110 U	1500 U	390 U	1200 U	643 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	37 J
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
CAPROLACTAM	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
CARBAZOLE	NA	NA	NA	NA	27 J	7600 U	2000 U	430 J	256
DIBENZOFURAN	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	34 J
DIETHYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROBENZENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROETHANE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
ISOPHORONE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
NITROBENZENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PENTACHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	190 J	105
ACENAPHTHENE	NA	NA	NA	NA	25 J	7600 U	2000 U	470 J	277
ACENAPHTHYLENE	NA	NA	NA	NA	13 J	7600 U	84 J	330 J	183
ANTHRACENE	NA	NA	NA	NA	78 J	7600 U	360 J	1500 J	835
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	542	4477	5574	10999	5944
BAP EQUIVALENT-POS	NA	NA	NA	NA	542	259	5574	10999	5944
BENZO(A)ANTHRACENE	NA	NA	NA	NA	280 J	240 J	4000	7300	3955
BENZO(A)PYRENE	NA	NA	NA	NA	340 J	190 J	3900	7600	4100
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	520 J	450 J	4500	8100	4450
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	360 J	7600 U	2100	5000 J	2685
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	210 J	7600 U	2100	3100 J	1705
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	300 J	220 J	3400	7700	4160
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	90 J	7600 U	590 J	1400 J	755
FLUORANTHENE	NA	NA	NA	NA	570	450 J	6100	14000	7650
FLUORENE	NA	NA	NA	NA	19 J	7600 U	2000 U	580 J	327.5
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	300 J	7600 U	2100	4200 J	2275
NAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	180 J	102
PHENANTHRENE	NA	NA	NA	NA	220 J	200 J	650 J	5600 J	3135
PYRENE	NA	NA	NA	NA	460 J	370 J	5400	16000	8500
TOTAL PAHS	NA	NA	NA	NA	3785	2120	35284	83250	45199.5
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1221	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1232	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1242	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1248	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1254	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1260	140000	5000	24000	12000	47	58000	1200	1700	910
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	140000	5000	24000	12000	47	58000	1200	1700	910
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	0.16 B	0.55 J	0.12 B	2.2 J	1.345
ARSENIC	NA	NA	NA	NA	1.3 L	3.4 L	1.8 L	2.6 L	2.45
BARIUM	NA	NA	NA	NA	25.7	34.5	34	121 J	82.1
BERYLLIUM	NA	NA	NA	NA	0.36	0.76	0.29	0.88 J	0.6
CADMIUM	NA	NA	NA	NA	0.2	0.2	0.19	1.5 J	1.16
CHROMIUM	NA	NA	NA	NA	9.9 K	13.8 K	8.4 K	33.4 J	25.7
COBALT	NA	NA	NA	NA	2.7 J	4.8 J	2.2 J	5 J	4.05
COPPER	NA	NA	NA	NA	7 J	7.9 J	5.6 J	12.7 J	12.1
IRON	NA	NA	NA	NA	13200	13800	5610	13300	10655
LEAD	NA	NA	NA	NA	15.9 J	12.3 J	20.4 J	68.2 J	53.1
MANGANESE	NA	NA	NA	NA	48.8 L	53.2 L	81.6 L	1370 J	787.5
MERCURY	NA	NA	NA	NA	0.019 U	0.061	0.02 U	0.019 U	0.12975
MOLYBDENUM	NA	NA	NA	NA	0.34 B	0.42 B	0.22 B	0.59 J	0.3775
NICKEL	NA	NA	NA	NA	4.8	6.7	5.8	11	8.8
SELENIUM	NA	NA	NA	NA	0.29 L	0.26 L	0.19 UL	0.25 L	0.245
SILVER	NA	NA	NA	NA	0.04	0.081	0.056	0.23	0.235
THALLIUM	NA	NA	NA	NA	0.063 B	0.1	0.032 B	0.069 B	0.05875
VANADIUM	NA	NA	NA	NA	13.2	20.9	12.4	53.4	42.65
ZINC	NA	NA	NA	NA	42.7 J	36.1 J	39.7 J	175 J	127.8
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	18000 B	61000 J	130000	650000	347500
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.3	82.4	74.3	78.6	88.1	86.7	84.4	85.6	81.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,1-TRICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,2,2-TETRACHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,4-TRIMETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	3.31 U	0.92 B	5.8 U	5.8 U	5.8 U
1,2-DIBROMO-3-CHLOROPROPANE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
2-BUTANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
2-HEXANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
4-ISOPROPYLTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
4-METHYL-2-PENTANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
ACETONE	13 U	7.3 J	12 U	11 U	11.5 U	12 U	13 J	21 J	12 U
BENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOCHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMODICHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOFORM	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CARBON DISULFIDE	6.5 U	0.82 J	6 U	0.95 J	0.95 J	5.8 U	5.8 U	5.8 U	5.8 U
CARBON TETRACHLORIDE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLORODIBROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROFORM	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CIS-1,2-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CIS-1,3-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DIBROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DICHLORODIFLUOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DIISOPROPYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
ETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
ISOPROPYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
M+P-XYLENES	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	3.2 B	1.6 B	1.7 B	2 B	2.05 U	2.1 B	5.1 B	7.1 B	5 B
NAPHTHALENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
N-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
N-PROPYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
O-XYLENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
SEC-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
STYRENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERT-AMYL METHYL ETHER	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERT-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	130 UR	110 UR	120 UR	110 UR	115 R	120 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRANS-1,3-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRICHLOROFLUOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
VINYL ACETATE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 UJ

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4,5-TRICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4,6-TRICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DIMETHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DINITROPHENOL	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
2,4-DINITROTOLUENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,6-DINITROTOLUENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-CHLORONAPHTHALENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-CHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-NITROANILINE	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
2-NITROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
3-NITROANILINE	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
4,6-DINITRO-2-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-BROMOPHENYL PHENYL ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLORO-3-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLOROANILINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLOROPHENYL PHENYL ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-NITROANILINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-NITROPHENOL	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
ACETOPHENONE	86 U	73 U	80 U	76 U	76.5 U	77 U	78 U	78 U	77 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BIS(2-CHLOROETHYL)ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	37 J	360 U	93 J	380 U	24 J	24 J	37 J	58 J	380 U
BUTYL BENZYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	120 J	380 U	380 U
CAPROLACTAM	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
CARBAZOLE	82 J	360 U	73 J	380 U	380 U	380 U	380 U	380 U	380 U
DIBENZOFURAN	34 J	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DIETHYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DIMETHYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DI-N-BUTYL PHTHALATE	430 U	360 U	28 J	380 U	380 U	380 U	380 U	380 U	380 U
DI-N-OCTYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROBENZENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROBUTADIENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROCYCLOPENTADIENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROETHANE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
ISOPHORONE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
NITROBENZENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSODIMETHYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSODIPHENYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PENTACHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	20 J	360 U	9.8 J	380 U	380 U	380 U	380 U	26 J	380 U
ACENAPHTHENE	84 J	7.5 J	45 J	380 U	380 U	380 U	380 U	380 U	380 U
ACENAPHTHYLENE	36 J	360 U	13 J	380 U	380 U	380 U	380 U	380 U	380 U
ANTHRACENE	170 J	16 J	95 J	380 U	380 U	380 U	380 U	380 U	380 U
BAP EQUIVALENT-HALFND	890	306	827	380 U	380 U	380 U	229	380 U	380 U
BAP EQUIVALENT-POS	890	126	827	380 U	380 U	380 U	18	380 U	380 U
BENZO(A)ANTHRACENE	610	93 J	530	380 U	380 U	380 U	12 J	380 U	380 U
BENZO(A)PYRENE	600	95 J	560	380 U	380 U	380 U	14 J	380 U	380 U
BENZO(B)FLUORANTHENE	800	150 J	770	380 U	380 U	380 U	25 J	380 U	380 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	370 J	67 J	360 J	380 U	380 U	380 U	8 J	380 U	380 U
BENZO(K)FLUORANTHENE	310 J	71 J	330 J	380 U	380 U	380 U	380 U	380 U	380 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

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SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	620	100 J	480	380 U	380 U	380 U	14 J	380 U	380 U
DIBENZO(A,H)ANTHRACENE	110 J	360 U	100 J	380 U	380 U	380 U	380 U	380 U	380 U
FLUORANTHENE	1300	220 J	1100	380 U	380 U	380 U	19 J	380 U	380 U
FLUORENE	75 J	360 U	35 J	380 U	380 U	380 U	380 U	380 U	380 U
INDENO(1,2,3-CD)PYRENE	350 J	59 J	330 J	380 U	380 U	380 U	380 U	380 U	380 U
NAPHTHALENE	24 J	360 U	13 J	380 U	380 U	380 U	380 U	10 J	380 U
PHENANTHRENE	670	74 J	570	380 U	380 U	380 U	9.4 J	17 J	380 U
PYRENE	1000	170 J	810	380 U	380 U	380 U	16 J	380 U	380 U
TOTAL PAHS	7149	1122.5	6150.8	0 U	0 U	0 U	117.4	53	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1221	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1232	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1242	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1248	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1254	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1260	120	1200	99000	12 J	11.5	11 J	38 U	15 J	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	120	1200	99000	12	11.5	11	0 U	15	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.49 J	0.089 B	0.89	0.073 B	0.066 U	0.059 B	0.13 B	0.14 B	0.031 L
ARSENIC	2.3	0.53 L	3.5	1.8	1.75	1.7	2.1	2.5	1.5 J
BARIUM	43.2 J	153	90	19.2	17.1	15	20.7	19.3	12.5 K
BERYLLIUM	0.32 J	0.12	0.54	0.22	0.23	0.24	2	0.59	0.3
CADMIUM	0.82 J	0.41 K	6.4	0.014 B	0.0125	0.018	0.11 K	0.044 K	0.012 B
CHROMIUM	18 J	12.7 J	83.7 J	7.1 J	8.65	10.2 J	11.2 J	11.1 J	6.3 J
COBALT	3.1	4.6	4	2.1	2.25	2.4	10.8	27.2	3.9
COPPER	11.5 J	13.8 J	26.8 J	3.8 J	4.75	5.7 J	12.7 J	10.8 J	4.9 J
IRON	8010	20800	9150	13700	11780	9860	20400	13800	10400
LEAD	38 J	8.6 J	278 J	4 J	4.1	4.2 J	10.9 J	3.8 J	3 J
MANGANESE	205 J	231	11.2	172 J	109.25	46.5 J	135	42.1	27.4 L
MERCURY	0.25	0.41	0.13	0.019 U	0.019 U	0.019 U	0.29	0.019 U	0.019 UL
MOLYBDENUM	0.33 B	0.78 B	1.2 L	0.3 B	0.245 U	0.19 B	0.15 B	0.58 B	0.16 B
NICKEL	6.6	6.9	18.5	4.1	4.75	5.4	15.6	9.1	3.2 J
SELENIUM	0.24	0.18 U	0.42	0.18 U	0.18 U	0.18 U	0.32	0.19 U	0.18 UL
SILVER	0.24	0.092	0.38	0.049	0.03325	0.035 B	0.2	0.14	0.031
THALLIUM	0.083 K	0.38	0.098 K	0.054 K	0.0585	0.063 K	0.07 K	0.038 B	0.055 B
VANADIUM	31.9 J	22.8 J	60.7 J	13 J	13.95	14.9 J	17.1 J	15.9 J	11.4 J
ZINC	80.6 J	63.8	302	12.2	14.4	16.6	78.2	16.2	11.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	45000	52000	170000	14000 B	4800 J	4800 J	13000	5900 J	10000 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	77.2	91.2	82.8	87.5	87.1	86.7	85.8	85.9	86.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,1-TRICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,2,2-TETRACHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRIMETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,4-TRICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,4-TRIMETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
1,2-DIBROMOETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
2-BUTANONE	11 U	11 U	11 U	12 U	2.7 J	12 U	5.3 J	11 U	4.1 J
2-CHLOROETHYL VINYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
2-CHLOROTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
2-HEXANONE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
4-CHLOROTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
4-ISOPROPYLTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
4-METHYL-2-PENTANONE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
ACETONE	11 U	11 U	8.2 J	12 U	51 J	11 J	18 J	11 U	74 J
BENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOCHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMODICHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOFORM	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CARBON DISULFIDE	5.6 U	5.7 U	5.6 U	5.8 U	0.66 J	5.9 U	6 U	5.7 U	6 U
CARBON TETRACHLORIDE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLORODIBROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROFORM	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CIS-1,2-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CIS-1,3-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DIBROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DICHLORODIFLUOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DIISOPROPYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
ETHYL TERT-BUTYL ETHER	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
ETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
ISOPROPYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
M+P-XYLENES	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
METHYL TERT-BUTYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
METHYLENE CHLORIDE	6.4 B	5.4 B	5.6 B	3.6 B	5.6 B	5.9 B	5.8 B	3.1 B	4.8 B
NAPHTHALENE	0.55 B	5.7 U	1.8 B	0.67 B	5.8 U	5.9 U	6 U	5.7 U	6 U
N-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
N-PROPYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
O-XYLENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
SEC-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
STYRENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERT-AMYL METHYL ETHER	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERT-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERTIARY-BUTYL ALCOHOL	110 UR	110 UR	110 UR	120 UR	120 UR	120 UR	120 UR	110 UR	120 UR
TETRACHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
TRANS-1,2-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRANS-1,3-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRICHLOROFLUOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
VINYL ACETATE	11 U	11 U	11 U	12 UJ	12 UJ	12 UJ	12 U	11 U	12 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4,5-TRICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4,6-TRICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DIMETHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DINITROPHENOL	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
2,4-DINITROTOLUENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,6-DINITROTOLUENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-CHLORONAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-CHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-NITROANILINE	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
2-NITROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
3-NITROANILINE	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
4,6-DINITRO-2-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-BROMOPHENYL PHENYL ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLORO-3-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLOROANILINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLOROPHENYL PHENYL ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-NITROANILINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-NITROPHENOL	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
ACETOPHENONE	75 U	76 U	75 U	78 U	77 U	79 U	79 U	75 U	80 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BIS(2-CHLOROETHYL)ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	380 U	370 U	390 U	380 U	43 J	390 U	370 U	400 U
BUTYL BENZYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	78 J	390 U	370 U	400 U
CAPROLACTAM	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
CARBAZOLE	370 U	380 U	370 U	390 U	380 U	41 J	390 U	370 U	400 U
DIBENZOFURAN	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DIETHYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DIMETHYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DI-N-BUTYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DI-N-OCTYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROBENZENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROBUTADIENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROCYCLOPENTADIENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROETHANE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ISOPHORONE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
NITROBENZENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSODIMETHYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSODIPHENYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PENTACHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ACENAPHTHENE	370 U	380 U	370 U	390 U	380 U	32 J	390 U	370 U	400 U
ACENAPHTHYLENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ANTHRACENE	370 U	380 U	370 U	390 U	380 U	71 J	34 J	370 U	400 U
BAP EQUIVALENT-HALFND	216	97	211	433	380 U	948	392	205	400 U
BAP EQUIVALENT-POS	31	97	24	1.5	380 U	948	197	20	400 U
BENZO(A)ANTHRACENE	29 J	59 J	22 J	390 U	380 U	550	170 J	13 J	400 U
BENZO(A)PYRENE	23 J	62 J	17 J	390 U	380 U	630	150 J	15 J	400 U
BENZO(B)FLUORANTHENE	41 J	100 J	37 J	15 J	380 U	860	210 J	31 J	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	16 J	55 J	16 J	390 U	380 U	490	96 J	11 J	400 U
BENZO(K)FLUORANTHENE	15 J	55 J	370 U	390 U	380 U	390	97 J	8.7 J	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	34 J	75 J	24 J	390 U	380 U	680	170 J	13 J	400 U
DIBENZO(A,H)ANTHRACENE	370 U	14 J	370 U	390 U	380 U	130 J	390 U	370 U	400 U
FLUORANTHENE	57 J	120 J	61 J	9.5 J	380 U	1200	320 J	15 J	400 U
FLUORENE	370 U	380 U	370 U	390 U	380 U	26 J	390 U	370 U	400 U
INDENO(1,2,3-CD)PYRENE	13 J	47 J	14 J	390 U	380 U	420	83 J	9.2 J	400 U
NAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PHENANTHRENE	25 J	29 J	59 J	390 U	380 U	430	120 J	370 U	400 U
PYRENE	44 J	83 J	47 J	390 U	380 U	830	250 J	13 J	400 U
TOTAL PAHS	297	699	297	24.5	0 U	6739	1700	128.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1221	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1232	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1242	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1248	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1254	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1260	31 J	49	30 J	84	38 U	290	39 U	37 U	40 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	31	49	30	84	0 U	290	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.29 L	0.23 L	0.083 L	0.18 L	0.098 L	0.29 L	0.23 L	0.18 L	0.18 J
ARSENIC	9.6 J	0.52 J	1.5 J	1.7 J	1.5 J	0.99 J	0.94 L	1.1 L	2.2 L
BARIUM	12.2 K	15.1 K	15.8 K	26.4 K	20.4 K	24.1 K	13.7	15.1	20.1
BERYLLIUM	0.21	1.8	0.55	0.35	1	0.84	1.1	1.6	1.2
CADMIUM	0.036 K	0.029 K	0.093 K	0.11 K	0.78	0.45	0.16 K	0.07 K	0.022 K
CHROMIUM	10.1 J	15.5 J	11.4 J	12.7 J	15.8 J	11.3 J	11.8 J	9.3 J	11.5 J
COBALT	3.9	4.2	3.7	3.9	17.5	4.1	2.8 J	5.7 J	3.9 J
COPPER	27.9 J	16.9 J	11.4 J	7.1 J	22.8 J	12.5 J	10.3 L	16.5 L	14.5 L
IRON	13400	24400	13200	13800	16100	11900	16600	17600	29900
LEAD	2 J	6.8 J	4.5 J	9.3 J	11.4 J	36.7 J	5.7 L	11.4 L	4.7 L
MANGANESE	83.4 L	53.7 L	66.5 L	122 L	133 L	152 L	69.5 L	65.4 L	85 L
MERCURY	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.072 L	0.19 L	0.019 UL	0.02 UL
MOLYBDENUM	3.2 J	0.091 B	0.31 B	0.077 UL	0.081 B	0.094 B	0.23 B	0.12 B	0.18 B
NICKEL	11.1 J	16.3 J	8.7 J	6.5 J	15.4 J	11.8 J	10.9 L	13.1 J	7.4 L
SELENIUM	0.18 UL	1.1 L	0.18 UL	0.19 UL	0.27 L	0.19 UL	0.34 L	0.69 L	0.35 L
SILVER	0.058	0.099 K	0.06	0.06	0.079	0.12	0.12	0.086	0.097
THALLIUM	0.02 B	0.064 B	0.023 B	0.031 B	0.055 B	0.041 B	0.041 K	0.034 K	0.061 K
VANADIUM	8.5 J	20.6 J	14.3 J	10.6 J	18.8 J	15 J	20.3 J	15.8 J	17.6 J
ZINC	12.6	20.5	16.7	23.2	47.3	57	25.9	46.7	23.6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	22000 B	9000 B	33000	2200 J	1800 B	2200 J	23000	4000 J	610 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89.4	87.3	88.6	85.5	86.3	84.8	83.9	88.4	82.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7.5 J	12 U	NA	NA	NA	NA	NA	NA	NA
BENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.6 B	4.6 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	78 U	82 U	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	31 J	410 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	432	249	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1.2	42	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	33 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	390 U	32 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	12 J	46 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	22 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	39 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	69 J	NA	NA	NA	NA	NA	NA	NA
FLUORENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	19 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	40 J	NA	NA	NA	NA	NA	NA	NA
PYRENE	390 U	57 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	357	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1221	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1232	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1242	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1248	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1254	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1260	39 U	41 U	3100	3400	2100	52000	54000	82000	62000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	3100	3400	2100	52000	54000	82000	62000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.12 J	0.22 L	NA	NA	NA	NA	NA	NA	NA
ARSENIC	1.6 L	0.82 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	16	9	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.95	1.4	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.019 K	0.029 K	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	10.5 J	7.5 J	NA	NA	NA	NA	NA	NA	NA
COBALT	3.8 J	4.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	11.2 L	10.8 L	NA	NA	NA	NA	NA	NA	NA
IRON	14600	17800	NA	NA	NA	NA	NA	NA	NA
LEAD	3.9 L	5.3 L	NA	NA	NA	NA	NA	NA	NA
MANGANESE	74.9 L	41.7 L	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 UL	0.021 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.16 B	0.64 J	NA	NA	NA	NA	NA	NA	NA
NICKEL	8.1 L	10.2 L	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.62 L	0.44 L	NA	NA	NA	NA	NA	NA	NA
SILVER	0.086	0.065	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.045 K	0.026 K	NA	NA	NA	NA	NA	NA	NA
VANADIUM	20.2 J	12 J	NA	NA	NA	NA	NA	NA	NA
ZINC	17.3	23.2	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	2800 B	5200 B	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85	81	79	80	86.9	83.3	77.1	76	46.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1221	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1232	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1242	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1248	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1254	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1260	34000	1500000	690000	190000	2100	53000	49000	6000	77000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	34000	1500000	690000	190000	2100	53000	49000	6000	77000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	77.5	83.9	74.5	86.5	76	74.7	68.3	86.6	63.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	2500 U	880 U	4300 U	23 U	22 U	23 U	24 U	25 U	26 U
AROCLOR-1221	2500 U	880 U	4300 U	18 U	17 U	17 U	19 U	19 U	20 U
AROCLOR-1232	2500 U	880 U	4300 U	16 U	15 U	15 U	16 U	16 U	17 U
AROCLOR-1242	2500 U	880 U	4300 U	14 U	14 U	14 U	15 U	15 U	16 U
AROCLOR-1248	2500 U	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U
AROCLOR-1254	2500 U	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U
AROCLOR-1260	10000	4500	18000	19 U	18 U	19 U	21 J	20 U	38 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	10000	4500	18000	0 U	0 U	0 U	21	0 U	38
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	65.2	75.1	75.9	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	170 J	77 U	NA	NA	NA	85 U
C1-FLUORANTHENES/PYRENES	NA	NA	80 U	85 J	77 U	NA	NA	NA	85 U
C1-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	260 J	77 U	NA	NA	NA	85 U
C2-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	86 J	77 U	NA	NA	NA	96 J

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	200 J	77 U	NA	NA	NA	85 U
C3-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C3-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	160 J	77 U	NA	NA	NA	85 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	170 J	77 U	NA	NA	NA	85 U
C4-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	110 J	77 U	NA	NA	NA	85 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	25 U	24 U	24 U	23 U	24 U	110 U	27 U
AROCLOR-1221	18 U	19 U	19 U	18 U	18 U	18 U	18 U	85 U	20 U
AROCLOR-1232	16 U	16 U	17 U	16 U	16 U	16 U	16 U	75 U	18 U
AROCLOR-1242	15 U	15 U	16 U	15 U	15 U	14 U	15 U	69 U	16 U
AROCLOR-1248	19 U	20 U	20 U	20 U	20 U	19 U	19 U	91 U	22 U
AROCLOR-1254	19 U	20 U	20 U	20 U	20 U	19 U	19 U	91 U	22 U
AROCLOR-1260	19 U	20 U	34 J	35 J	20 UJ	19 U	19 U	690	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	34	35	0 U	0 U	0 U	690	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.65 U	0.53 U	0.47 U	0.5 U	370 U	8 U	0.5 U	0.54 U	6.9 U
1,1,1-TRICHLOROETHANE	0.58 U	0.48 U	0.43 U	0.45 U	840 U	18 U	0.46 U	0.49 U	16 U
1,1,2,2-TETRACHLOROETHANE	0.35 U	0.29 U	0.26 U	0.27 U	360 U	7.8 U	0.28 U	0.3 U	6.7 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.4 U	1.1 U	0.99 U	1 U	1600 U	34 U	1.1 U	1.1 U	30 U
1,1-DICHLOROETHANE	0.37 U	0.31 U	0.27 U	0.29 U	680 U	15 U	0.29 U	0.31 U	13 U
1,1-DICHLOROETHENE	0.54 U	0.44 U	0.4 U	0.42 U	720 U	16 U	0.42 U	0.45 U	14 U
1,1-DICHLOROPROPENE	0.31 U	0.26 U	0.23 U	0.24 U	400 U	8.7 U	0.24 U	0.26 U	7.6 U
1,2,3-TRICHLOROBENZENE	0.4 U	140	0.29 U	0.31 U	39000	280 J	0.31 U	0.33 U	47 J
1,2,3-TRICHLOROPROPANE	0.94 U	0.77 U	0.68 U	0.72 U	840 U	18 U	0.73 U	0.78 U	16 U
1,2,3-TRIMETHYLBENZENE	0.18 U	0.68 B	0.6 B	0.14 U	6.8 U	0.15 U	0.14 U	0.15 U	0.13 U
1,2,4-TRICHLOROBENZENE	0.36 B	140 J	1.1 B	0.52 B	180000	1200	0.68 B	1.1 B	260
1,2,4-TRIMETHYLBENZENE	0.68 U	0.55 U	0.49 U	0.52 U	200 U	4.4 U	0.53 U	0.57 U	3.8 U
1,2-DIBROMO-3-CHLOROPROPANE	1.4 U	1.1 U	0.99 U	1 U	2000 U	44 U	1.1 U	1.1 U	38 U
1,2-DIBROMOETHANE	0.52 U	0.43 U	0.38 U	0.4 U	400 U	8.7 U	0.41 U	0.44 U	7.6 U
1,2-DICHLOROBENZENE	0.37 U	3.4 J	0.27 U	0.29 U	970 J	26 J	0.29 U	0.31 U	6.5 U
1,2-DICHLOROETHANE	0.35 U	0.29 U	0.26 U	0.27 U	400 U	8.7 U	0.28 U	0.3 U	7.6 U
1,2-DICHLOROPROPANE	0.72 U	0.59 U	0.52 U	0.55 U	330 U	7.2 U	0.56 U	0.6 U	6.2 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.36 U	21	0.27 U	0.28 U	190 U	4.2 U	0.33 J	0.31 U	11 J
1,3-DICHLOROPROPANE	0.35 U	0.29 U	0.26 U	0.27 U	880 U	19 U	0.28 U	0.3 U	17 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.69 U	12	0.5 U	0.53 U	1500 J	42 J	1.3 J	0.58 U	12 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.98 U	0.8 U	0.71 U	0.75 U	930 U	20 U	0.77 U	0.82 U	17 U
2-BUTANONE	1.5 U	1.2 U	1.1 U	3.2 B	1700 U	38 U	1.1 U	1.2 U	88 J
2-CHLOROETHYL VINYL ETHER	1.5 U	1.2 U	1.1 U	1.1 U	1700 UR	38 U	1.1 U	1.2 U	33 U
2-CHLOROTOLUENE	0.42 U	0.34 U	0.3 U	0.32 U	360 U	7.9 U	0.33 U	0.35 U	6.8 U
2-HEXANONE	0.66 U	0.54 U	0.48 U	0.51 U	800 U	17 U	0.51 U	0.55 U	15 U
4-CHLOROTOLUENE	0.43 U	0.35 U	0.31 U	0.33 U	400 U	8.7 U	0.33 U	0.36 U	7.5 U
4-ISOPROPYLTOLUENE	0.22 U	0.18 U	0.16 U	0.17 U	190 U	4.2 U	0.17 U	0.18 U	3.6 U
4-METHYL-2-PENTANONE	0.56 U	0.46 U	0.41 U	0.43 U	1900 U	42 U	0.44 U	0.47 U	36 U
ACETONE	6.8 B	7.7 B	4.8 U	25 B	6800 U	230 J	5.1 U	8.4 B	220 B
BENZENE	0.24 U	0.2 U	0.17 U	0.18 U	480 U	10 U	0.19 U	0.2 U	9.1 U
BROMOBENZENE	0.34 U	0.28 U	0.25 U	0.26 U	520 U	11 U	0.27 U	0.29 U	9.8 U
BROMOCHLOROMETHANE	0.74 U	0.6 U	0.54 U	0.57 U	520 U	11 U	0.58 U	0.62 U	9.8 U
BROMODICHLOROMETHANE	0.29 U	0.24 U	0.21 U	0.22 U	400 U	8.7 U	0.23 U	0.24 U	7.5 U
BROMOFORM	0.34 U	0.28 U	0.25 U	0.26 U	760 U	17 U	0.27 U	0.29 U	14 U
BROMOMETHANE	0.56 U	0.46 U	0.41 U	0.43 U	1200 U	25 U	0.44 U	0.47 U	22 U
CARBON DISULFIDE	0.46 U	0.37 U	0.33 U	0.35 U	480 U	10 U	0.36 U	0.38 U	9.1 U
CARBON TETRACHLORIDE	0.39 U	0.32 U	0.28 U	0.3 U	260 U	5.6 U	0.3 U	0.32 U	4.8 U
CHLOROBENZENE	0.34 U	0.28 U	0.25 U	0.26 U	260 U	5.6 U	12	0.29 U	4.8 U
CHLORODIBROMOMETHANE	0.57 U	0.47 U	0.42 U	0.44 U	480 U	10 U	0.45 U	0.48 U	9.1 U
CHLOROETHANE	0.9 U	0.73 U	0.65 U	0.69 U	2500 U	53 U	0.7 U	0.75 U	46 U
CHLOROFORM	0.3 U	0.25 U	0.22 U	0.23 U	350 U	7.7 U	0.24 U	0.25 U	6.7 U
CHLOROMETHANE	0.43 U	0.35 U	0.31 U	0.33 U	560 U	12 U	0.33 U	0.36 U	11 U
CIS-1,2-DICHLOROETHENE	0.37 U	0.31 U	0.27 U	0.29 U	280 U	6 U	0.29 U	0.31 U	5.2 U
CIS-1,3-DICHLOROPROPENE	0.35 U	0.29 U	0.26 U	0.27 U	320 U	6.9 U	0.28 U	0.3 U	6 U
DIBROMOMETHANE	0.66 U	0.54 U	0.48 U	0.51 U	560 U	12 U	0.51 U	0.55 U	11 U
DICHLORODIFLUOROMETHANE	0.52 U	0.43 U	0.38 U	0.4 U	640 U	14 U	0.41 U	0.44 U	12 U
DIISOPROPYL ETHER	1.6 U	1.3 U	1.1 U	1.2 U	2000 U	44 U	1.2 U	1.3 U	38 U
ETHYL TERT-BUTYL ETHER	0.23 U	0.19 U	0.17 U	0.18 U	8.8 U	0.19 U	0.18 U	0.19 U	0.17 U
ETHYLBENZENE	0.27 U	0.22 U	0.2 U	0.21 U	220 U	4.7 U	0.21 U	0.23 U	4.1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.2 U	1 U	0.91 U	0.96 U	560 U	12 U	0.98 U	1 U	11 U
ISOPROPYLBENZENE	0.17 U	0.14 U	0.12 U	0.13 U	260 U	5.7 U	0.13 U	0.14 U	4.9 U
M+P-XYLENES	1.2 U	1 U	0.91 U	0.96 U	250 U	5.4 U	0.98 U	1 U	4.7 U
METHYL TERT-BUTYL ETHER	0.45 U	0.37 U	0.33 U	0.35 U	290 U	6.2 U	0.35 U	0.37 U	5.4 U
METHYLENE CHLORIDE	0.7 U	0.57 U	0.51 U	0.54 U	3100 U	88 J	0.55 U	0.58 U	58 U
NAPHTHALENE	0.2 U	0.16 U	0.14 U	0.15 U	270 U	5.9 U	0.15 U	0.17 U	5.1 U
N-BUTYLBENZENE	0.24 U	0.2 U	0.17 U	0.18 U	320 U	7 U	0.19 U	0.2 U	6.1 U
N-PROPYLBENZENE	0.42 U	0.34 U	0.3 U	0.32 U	560 U	12 U	0.33 U	0.35 U	11 U
O-XYLENE	0.36 U	0.3 U	0.27 U	0.28 U	340 U	7.4 U	0.28 U	0.31 U	6.4 U
SEC-BUTYLBENZENE	0.19 U	0.15 U	0.14 U	0.14 U	190 U	4.1 U	0.15 U	0.16 U	3.6 U
STYRENE	0.16 U	0.13 U	0.11 U	0.12 U	230 U	4.9 U	0.12 U	0.13 U	4.2 U
TERT-AMYL METHYL ETHER	0.39 U	0.32 U	0.28 U	0.3 U	15 U	0.32 U	0.3 U	0.32 U	0.28 U
TERT-BUTYLBENZENE	0.3 U	0.25 U	0.22 U	0.23 U	260 U	5.7 U	0.24 U	0.25 U	4.9 U
TERTIARY-BUTYL ALCOHOL	7.9 UR	6.5 UR	5.8 UR	6.1 UR	9700 UR	210 UR	6.2 UR	6.6 UR	390 J
TETRACHLOROETHENE	0.54 U	0.44 U	0.4 U	0.42 U	480 U	10 U	0.42 U	0.45 U	9.1 U
TOLUENE	0.28 U	0.23 U	0.21 U	0.22 U	680 U	15 U	0.22 U	0.24 U	13 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.7 U	0.57 U	0.51 U	0.54 U	330 U	7.1 U	0.55 U	0.58 U	6.1 U
TRANS-1,2-DICHLOROETHENE	0.43 U	0.35 U	0.31 U	0.33 U	370 U	8 U	0.33 U	0.36 U	7 U
TRANS-1,3-DICHLOROPROPENE	0.56 U	0.46 U	0.41 U	0.43 U	800 U	17 U	0.44 U	0.47 U	15 U
TRICHLOROETHENE	0.44 U	0.36 U	0.32 U	0.34 U	390 U	8.5 U	0.34 U	0.37 U	7.3 U
TRICHLOROFLUOROMETHANE	0.35 U	0.29 U	0.26 U	0.27 U	640 U	14 U	0.28 U	0.3 U	12 U
VINYL ACETATE	0.26 U	0.21 U	0.19 U	0.2 U	930 U	20 U	0.2 U	0.22 U	17 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	0.41 U	0.33 U	0.3 U	0.31 U	720 U	16 U	0.32 U	0.34 U	14 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
2-METHYLNAPHTHALENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ACENAPHTHENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ACENAPHTHYLENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ANTHRACENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BAP EQUIVALENT-HALFND	140 U	4 U	3.9 U	7.0	4 U	4 U	3.9 U	3.7 U	3.9 U
BAP EQUIVALENT-POS	140 U	4 U	3.9 U	2.8	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(A)ANTHRACENE	140 U	4 U	3.9 U	15	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(A)PYRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(B)FLUORANTHENE	140 U	4 U	3.9 U	13	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(K)FLUORANTHENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	48 U	1.3 U	1.3 U	25	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U
DIBENZO(A,H)ANTHRACENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
FLUORANTHENE	660	4 U	3.9 U	42	4 U	4 U	3.9 U	3.7 U	3.9 U
FLUORENE	140 U	4 U	3.9 U	8.8	4 U	4 U	3.9 U	3.7 U	3.9 U
INDENO(1,2,3-CD)PYRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
NAPHTHALENE	410	93	3.9 U	33	31	4 U	3.9 U	3.7 U	3.9 U
PHENANTHRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
PYRENE	950	4 U	3.9 U	30	4 U	4 U	3.9 U	3.7 U	3.9 U
TOTAL PAHS	2020	93	0 U	166.8	31	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	23 U	500 U	25 U	26 U	25000 U	2500 U	25 U	24 U	250 U
AROCLOR-1221	17 U	380 U	19 U	19 U	19000 U	1900 U	19 U	18 U	190 U
AROCLOR-1232	15 U	340 U	16 U	17 U	17000 U	1700 U	17 U	16 U	170 U
AROCLOR-1242	14 U	310 U	15 U	16 U	16000 U	1600 U	15 U	15 U	150 U
AROCLOR-1248	18 U	410 U	20 U	21 U	20000 U	2100 U	20 U	19 U	200 U
AROCLOR-1254	18 U	410 U	20 U	21 U	20000 U	2100 U	20 U	19 U	200 U
AROCLOR-1260	220	1700	82	21 U	360000	25000	57	23 J	3000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	220	1700	82	0 U	360000	25000	57	23	3000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	8900000 J	NA	NA	NA	640000 J	150000 J	NA	NA	NA
GASOLINE RANGE ORGANICS	440	55 U	NA	NA	64 J	56 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	380 U	7.4 U	0.54 U	0.5 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	880 U	17 U	0.49 U	0.45 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	370 U	7.3 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1600 U	32 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	710 U	14 U	0.32 U	0.29 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	750 U	15 U	0.46 U	0.42 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	420 U	8.2 U	0.26 U	0.24 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	43000 J	300 J	11 J	0.31 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	880 U	17 U	0.79 U	0.73 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	7.1 U	0.14 U	0.15 U	0.14 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	210000	1600	47 J	0.22 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	210 U	4.1 U	0.57 U	0.53 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	2100 U	41 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	420 U	8.2 U	0.44 U	0.41 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	360 U	22 J	0.32 U	0.29 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	420 U	8.2 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	340 U	6.7 U	0.6 U	0.56 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1100 J	3.9 U	0.31 U	0.28 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	920 U	18 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2700 J	38 J	0.58 U	0.53 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	960 U	19 U	0.82 U	0.76 U	NA	NA	NA	NA	NA
2-BUTANONE	1800 U	35 U	1.2 U	1.1 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	1800 U	35 U	1.2 UJ	1.1 UR	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	380 U	7.4 U	0.35 U	0.32 U	NA	NA	NA	NA	NA
2-HEXANONE	840 U	16 U	0.55 U	0.51 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	410 U	8.1 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	200 U	3.9 U	0.18 U	0.17 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	2000 U	39 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
ACETONE	9800 B	160 B	5.5 U	13 J	NA	NA	NA	NA	NA
BENZENE	500 U	9.8 U	0.2 U	0.19 U	NA	NA	NA	NA	NA
BROMOBENZENE	540 U	11 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	540 U	11 U	0.62 U	0.58 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	410 U	8.1 U	0.25 U	0.23 U	NA	NA	NA	NA	NA
BROMOFORM	790 U	16 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
BROMOMETHANE	1200 U	24 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	500 U	9.8 U	0.39 U	0.36 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	270 U	5.2 U	0.32 U	0.3 U	NA	NA	NA	NA	NA
CHLOROBENZENE	270 U	5.2 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	500 U	9.8 U	0.48 U	0.45 U	NA	NA	NA	NA	NA
CHLOROETHANE	2500 U	50 U	0.75 U	0.7 U	NA	NA	NA	NA	NA
CHLOROFORM	370 U	7.2 U	0.25 U	0.24 U	NA	NA	NA	NA	NA
CHLOROMETHANE	580 U	11 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	290 U	5.6 U	0.32 U	0.29 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	330 U	6.5 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	580 U	11 U	0.55 U	0.51 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	670 U	13 U	0.44 U	0.41 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2100 U	41 U	1.3 U	1.2 U	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	9.2 U	0.18 U	0.19 U	0.18 U	NA	NA	NA	NA	NA
ETHYLBENZENE	230 U	4.4 U	0.23 U	0.21 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	580 U	11 U	1.1 U	0.97 U	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	270 U	5.3 U	0.14 U	0.13 U	NA	NA	NA	NA	NA
M+P-XYLENES	260 U	5.1 U	1.1 U	0.97 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	300 U	5.8 U	0.38 U	0.35 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3200 U	63 U	0.59 U	0.54 U	NA	NA	NA	NA	NA
NAPHTHALENE	280 U	5.5 U	0.17 U	2.1 B	NA	NA	NA	NA	NA
N-BUTYLBENZENE	330 U	6.5 U	0.2 U	0.19 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	580 U	11 U	0.35 U	0.32 U	NA	NA	NA	NA	NA
O-XYLENE	360 U	6.9 U	0.31 U	0.28 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	200 U	3.8 U	0.16 U	0.15 U	NA	NA	NA	NA	NA
STYRENE	230 U	4.6 U	0.13 U	0.12 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	15 U	0.3 U	0.32 U	0.3 U	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	270 U	5.3 U	0.25 U	0.24 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	10000 UR	620 J	6.7 UR	6.2 UR	NA	NA	NA	NA	NA
TETRACHLOROETHENE	500 U	9.8 U	0.46 U	1.8 J	NA	NA	NA	NA	NA
TOLUENE	710 U	14 U	0.31 J	0.22 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	340 U	6.6 U	0.59 U	0.54 U	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	380 U	7.5 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	840 U	16 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	410 U	7.9 U	0.37 U	0.34 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	670 U	13 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
VINYL ACETATE	960 U	19 U	0.22 U	0.2 UR	NA	NA	NA	NA	NA

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
VINYL CHLORIDE	750 U	15 U	0.34 U	0.32 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ACENAPHTHENE	98	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ANTHRACENE	240	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1788	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1788	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	1300	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1200	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	1700	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	850	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	630	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	120 J	81 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	75 U	150 J	81 U	NA	NA
C1-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	88 J	81 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
CHRYSENE	1200	1.3 U	1.3 U	13 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	210	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
FLUORANTHENE	2000	3.9 U	3.9 U	520	NA	NA	NA	NA	NA
FLUORENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	700	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
NAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
PHENANTHRENE	800	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
PYRENE	1600	3.9 U	3.9 U	290	NA	NA	NA	NA	NA
TOTAL PAHS	12528	0 U	0 U	810	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	49000 U	25 U	250 U	25 U	24 U	250 U	25 U	23 U	23 U
AROCLOR-1221	37000 U	19 U	190 U	19 U	18 U	190 U	19 U	18 U	18 U
AROCLOR-1232	32000 U	17 U	160 U	17 U	16 U	170 U	17 U	16 U	16 U
AROCLOR-1242	30000 U	15 U	150 U	15 U	15 U	160 U	16 U	14 U	14 U
AROCLOR-1248	39000 U	20 U	200 U	20 U	19 U	200 U	20 U	19 U	19 U
AROCLOR-1254	39000 U	20 U	200 U	20 U	19 U	200 U	20 U	19 U	19 U
AROCLOR-1260	680000	26 J	1300	31 J	19 U	910	130	26 J	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	680000	26	1300	31	0 U	910	130	26	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	1400000 K	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	1400	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	6600 U	23 U	2200 U	23 U	24 U	240 U	11000 U	24 U	22 U
AROCLOR-1221	5000 U	17 U	1700 U	18 U	18 U	180 U	8500 U	18 U	17 U
AROCLOR-1232	4400 U	15 U	1500 U	15 U	16 U	160 U	7500 U	16 U	15 U
AROCLOR-1242	4100 U	14 U	1400 U	14 U	15 U	150 U	6900 U	15 U	14 U
AROCLOR-1248	5300 U	18 U	1800 U	19 U	19 U	190 U	9100 U	19 U	18 U
AROCLOR-1254	5300 U	18 U	1800 U	19 U	19 U	190 U	9100 U	19 U	18 U
AROCLOR-1260	41000	120	25000	19 U	19 U	2300	37000	53	64
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	41000	120	25000	0 U	0 U	2300	37000	53	64
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
2-BUTANONE	55 U	58 UJ	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 UJ	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
2-HEXANONE	55 U	58 UJ	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	58 UJ	NA	NA	NA	NA	NA
ACETONE	55 U	58 UJ	NA	NA	NA	NA	NA
BENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOFORM	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 UJ	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROFORM	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	12 UJ	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 UJ	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	9 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	6 UJ	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
O-XYLENE	6 U	6 UJ	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
STYRENE	6 U	6 UJ	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
TOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
TRICHLOROFLUOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	6 UJ	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 UJ	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	380 U	390 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	390 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	380 U	390 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	380 U	390 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2-NITROANILINE	950 U	44 J	NA	NA	NA	NA	NA
2-NITROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	380 U	390 U	NA	NA	NA	NA	NA
3-NITROANILINE	950 U	970 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	870 U	890 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	380 U	390 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	380 U	390 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	380 U	390 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	950 U	970 U	NA	NA	NA	NA	NA
4-NITROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
ACETOPHENONE	380 U	390 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	390 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	390 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	380 U	390 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
CAPROLACTAM	380 U	390 U	NA	NA	NA	NA	NA
CARBAZOLE	380 U	390 U	NA	NA	NA	NA	NA
DIBENZOFURAN	380 U	390 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	380 U	390 UJ	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	380 U	390 U	NA	NA	NA	NA	NA
ISOPHORONE	380 U	390 U	NA	NA	NA	NA	NA
NITROBENZENE	380 U	390 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	380 U	390 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	380 U	390 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
PHENOL	380 U	390 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
ACENAPHTHENE	380 U	390 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	380 U	390 U	NA	NA	NA	NA	NA
ANTHRACENE	380 U	390 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	380 U	390 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	380 U	390 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	380 U	390 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	380 U	390 UJ	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	380 U	390 UJ	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	390 UJ	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	380 U	390 UJ	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	390 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	380 U	390 UJ	NA	NA	NA	NA	NA
FLUORANTHENE	380 U	390 U	NA	NA	NA	NA	NA
FLUORENE	380 U	390 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	380 U	390 UJ	NA	NA	NA	NA	NA
NAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
PHENANTHRENE	380 U	390 U	NA	NA	NA	NA	NA
PYRENE	380 U	390 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1221	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1232	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1242	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1248	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1254	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1260	280 U	290 U	1800	20 U	20 U	20 U	490
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	1800	0 U	0 U	0 U	490
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	2.8 U	2.8 U	NA	NA	NA	NA	NA
ARSENIC	1.1	1.7	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
CADMIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
CHROMIUM	29	10 K	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	5.8 L	5.1 L	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	8 J	2.8 UJ	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	3.6 K	5.6 K	NA	NA	NA	NA	NA
SELENIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
SILVER	2.8 UL	2.8 UL	NA	NA	NA	NA	NA
THALLIUM	2.2 UL	2.3 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	28 UL	28 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	11000 U	11000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	170	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	81.9	82	82	81	94
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1221	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1232	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1242	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1248	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1254	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1260	19 J	21 J	19 U	19 U	20 U	20 U	19 U	5.4 J	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	19	21	0 U	0 U	0 U	0 U	0 U	5.4	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	79	79	88	86	85	85	88	87	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1221	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1232	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1242	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1248	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1254	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1260	940	77	91	20 U	20 U	19 U	41	23	190
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	940	77	91	0 U	0 U	0 U	41	23	190
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	94	NA	82	82	84	87	95	84	88
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1221	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1232	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1242	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1248	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1254	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1260	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 UJ	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81	84	85	85.5	86	90	88	86	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1221	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1232	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1242	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1248	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1254	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1260	19 U	19 U	66	140	9600	19 U	18 U	19 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	66	140	9600	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89.5	89	94	85	91	88	91	89	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1221	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1232	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1242	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1248	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1254	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1260	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87	88	87	88	89	88	87	86	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1221	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1232	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1242	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1248	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1254	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1260	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	61
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	61
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.5	86	85	87	85	84	86	84	95
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1221	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1232	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1242	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1248	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1260	20 U	12 J	21 U	20 U	5.6 J	20 U	27	19 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	12	0 U	0 U	5.6	0 U	27	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81	82	80	83	91	85	87	86	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1221	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1232	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1242	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1248	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1254	19 U	19 U	19 U	950 U	4800	36000	NA	20 U	18 U
AROCLOR-1260	19 U	19 U	19 U	3800	3800 J	17000 J	NA	20 U	180
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	3800	8600	53000	NA	0 U	180
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	88	90	88	91	93	83	82	91
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1221	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1232	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1242	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1248	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1254	18 U	18 U	19 U	51	19 U	196 U	18 U	18 U	18 U
AROCLOR-1260	18 U	18 U	11 J	19 U	19 U	1600	18 U	18 U	5.2 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	11	51	0 U	1600	0 U	0 U	5.2
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	95	90	89	89	87	86	93	93	93
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	18 U	18 U	13 J	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	13	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93	91	92	90	92	92	85	90	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1221	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1232	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1242	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1248	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1254	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1260	19 U	18 U	40	17 U	18 U	11 J	1000	340	210
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	40	0 U	0 U	11	1000	340	210
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	91	88	96	95	92	86	85	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1221	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1232	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1242	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1248	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1254	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1260	19 U	11 J	1200	4.3 J	5.4 J	25	18 U	11000	81000 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	11	1200	4.3	5.4	25	0 U	11000	81000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90	91	91	90	87	91	91	92	93
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1221	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1232	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1242	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1248	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1254	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1260	20 U	7900	300000	18 U	3200	6800	19 U	18 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	7900	300000	0 U	3200	6800	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85	97	88	92	91	90	90	91	94
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-001 SB-1A-SS 20040921 NORMAL SO NORMAL SS 0 0	SB-002 SB-2A-01 20040920 NORMAL SO NORMAL SB 1 1	SB-003 SB-3A-SS 20040920 NORMAL SO NORMAL SS 0 0	SB-004 SB-04B-01 20050512 NORMAL SO NORMAL SB 1 1	SB-004 SB-4A-SS 20040921 NORMAL SO NORMAL SS 0 0	SB-035 SB-35-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-036 SB-36-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-041 SB-41S-SS 20041105 NORMAL SO NORMAL SS 0 0	SB-042 SB-42S-SS 20041105 NORMAL SO NORMAL SS 0 0	SB-169 SB-169-SS 20041105 NORMAL SO NORMAL SS 0 0
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	6 U	5 U	NA	45	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	6 U	6 U	5 U	NA	140	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	56 U	59 U	53 U	NA	60 U	56 U	58 U	NA	NA	NA
ACETONE	7000000	6100000	N	56 U	59 U	53 U	NA	60 U	56 U	58 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 U	9 J	8 J	NA	8 J	8 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	5 U	NA	58	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	940 U	980 U	9100 U	NA	990 U	950 U	990 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
CAPROLACTAM	NC	3100000	N	140 J	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
CARBAZOLE	32000	NC		380 U	390 U	3600 U	NA	89 J	380 U	390 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	380 U	390 U	3600 U	NA	250 J	380 U	390 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	380 U	390 U	3600 U	NA	41 J	380 U	390 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	380 U	390 U	3600 U	NA	180 J	380 U	390 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	380 U	390 U	3600 U	NA	220 J	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		380 U	390 U	3600 U	NA	365	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	380 U	390 U	3600 U	NA	170	380 U	390 U	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	380 U	390 U	3600 U	NA	240 J	380 U	390 U	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	390 U	3600 UJ	NA	110 J	380 U	390 U	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	380 U	390 U	3600 UJ	NA	220 J	380 U	390 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	380 U	390 U	3600 UJ	NA	170 J	380 U	390 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	390 U	3600 UJ	NA	200 J	380 U	390 U	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	380 U	390 U	3600 U	NA	370 J	380 U	390 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U	NA	NA	NA
FLUORANTHENE	310000	230000	N	380 U	390 U	440 J	NA	1200	380 U	390 U	NA	NA	NA
FLUORENE	310000	230000	N	380 U	390 U	3600 U	NA	150 J	380 U	390 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	390 U	3600 UJ	NA	120 J	380 U	390 U	NA	NA	NA
NAPHTHALENE	160000	3600	C	380 U	390 U	3600 U	NA	50 J	380 U	390 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	380 U	390 U	3600 U	NA	2200	380 U	390 U	NA	NA	NA
PYRENE	230000	170000	N	380 U	390 U	440 J	NA	1000	380 U	390 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	880	NA	6471	0 U	0 U	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	280 U	290 U	270 U	38 U	58000 U	280 U	290 U	NA	NA	NA
AROCLOR-1254	320	110	N(4)	280 U	290 U	270 U	38 U	58000 U	280 U	290 U	NA	NA	NA
AROCLOR-1260	320	220	C	280 U	290 U	350	38 U	180000	280 U	290 U	NA	NA	NA
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	0 U	350	0 U	180000	0 U	0 U	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	2.8 UL	2.9 U	2.4 U	NA	2.7 UL	2.5 U	2.9 U	NA	NA	NA
ARSENIC	0.43	0.39	C	1.1	0.98	1.5	NA	1.5	0.92	1.2	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
CADMIUM	3.9	7	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	19 J	10 K	15	NA	18 J	6.6 K	15	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	8.2	15	13	NA	11	4.4 L	14	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		3	2.9 UJ	82 J	NA	8.9	3.9 J	4.7 J	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	0.11 U	0.11 U	0.098 U	NA	0.12	0.1 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	6.5	7.5	20	NA	14	4.3 K	10	NA	NA	NA
SELENIUM	39	39	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
SILVER	39	39	N	2.8 UR	2.9 UL	2.4 UL	NA	2.7 UR	2.5 UL	2.9 UL	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	2.3 UL	2 UL	NA	2.2 U	2 UL	2.3 UL	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-001** **SB-1A-SS** **20040921** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-002** **SB-2A-01** **20040920** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-003** **SB-3A-SS** **20040920** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-004** **SB-04B-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-004** **SB-4A-SS** **20040921** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-035** **SB-35-SS** **20040917** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-036** **SB-36-SS** **20040917** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-041** **SB-41S-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-042** **SB-42S-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-169** **SB-169-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	28 UL	29 UL	110 L	NA	27 UL	25 UL	29 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	11000 U	12000 U	11000 U	NA	**330000**	11000 U	13000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 U	120 U	110 U	NA	830	120 U	120 U	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.03 U	1.02	0.15 U
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.1 U	2.3	0.1 U
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.1 UJ	0.67 J	0.38 UJ
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.145	-0.048 U	0.08 U
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.3	1.2	0.3 UJ
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.25 UJ	1.09 J	0.42 J
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	4.4	9.2	3.4
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.32 UJ	1.22 J	0.51 UJ
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.075 U	0.39	0.1 U

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-232 SB-232-01 20050512 NORMAL SO NORMAL SB 1 1	SB-232 SB-232-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-233 SB-233-01 20050512 NORMAL SO NORMAL SB 1 1	SB-233 SB-233-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-234 SB-234-01 20050512 NORMAL SO NORMAL SB 1 1	SB-234 SB-234-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-235 SB-235-01 20050512 NORMAL SO NORMAL SB 1 1	SB-235 SB-235-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-345 SB-345-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-346 SB-346-0001 20071102 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	39 U	37 U	39 U	32 J	39 U	37 U	37 U	58	35 U	390 U
AROCLOR-1254	320	110	N(4)	39 U	37 U	39 U	37 U	39 U	37 U	37 U	37 U	35 U	390 U
AROCLOR-1260	320	220	C	94	140	39 U	80	8.5 J	**1070**	37 U	108	**260**	**1700**
TOTAL AROCLOR	320 (8)	220	C(9)	94	140	0 U	112	8.5	**1070**	0 U	166	**260**	**1700**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-232** **SB-232-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-232** **SB-232-SS** **20050512** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-233** **SB-233-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-233** **SB-233-SS** **20050512** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-234** **SB-234-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-234** **SB-234-SS** **20050512** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-235** **SB-235-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-235** **SB-235-SS** **20050512** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-345** **SB-345-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-346** **SB-346-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	94.6	85.3
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-347 SB-347-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-348 SB-348-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-349 SB-349-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-350 SB-350-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-351 SB-351-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-352 SB-352-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-353 SB-353-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-354 SB-354-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-355 SB-355-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-356 SB-356-0001 20071102 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	2100 U	4200 U	4400 U	8200 U	4100 U	2800 U	740000 U	83000 U	21000 U	4500 U
AROCLOR-1254	320	110	N(4)	2100 U	4200 U	4400 U	8200 U	4100 U	2800 U	740000 U	83000 U	21000 U	4500 U
AROCLOR-1260	320	220	C	**7100**	**34000**	**24000**	**55000**	**21000**	**19000**	**1800000**	**400000**	**96000**	**25000**
TOTAL AROCLOR	320 (8)	220	C(9)	**7100**	**34000**	**24000**	**55000**	**21000**	**19000**	**1800000**	**400000**	**96000**	**25000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-347** **SB-347-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-348** **SB-348-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-349** **SB-349-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-350** **SB-350-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-351** **SB-351-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-352** **SB-352-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-353** **SB-353-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-354** **SB-354-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-355** **SB-355-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-356** **SB-356-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	79.1	78.1	75.6	80.1	81.2	58.9	89.2	79.1	80.3	73.6
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-357 SB-357-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-358 SB-358-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-359 SB-359-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-360 SB-360-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-361 SB-361-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-362 SB-362-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-363 SB-363-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-364 SB-364-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-500 SB-500-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-501 SB-501-0001 20071127 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	0.76 B	5.8 U
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	11 U	12 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	11 U	12 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	2.5 B	2.8 B
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	3.2 B	5.8 U
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	110 UR	120 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	0.37 J
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	12 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	1100 U	15000 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	27 J	7600 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	25 J	7600 U
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	13 J	7600 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	78 J	7600 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	**542**	**4477**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**542**	**259**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**280 J**	**240 J**
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**340 J**	**190 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**520 J**	**450 J**
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	360 J	7600 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	210 J	7600 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	300 J	220 J
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**90 J**	7600 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	570	450 J
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	19 J	7600 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**300 J**	7600 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	220 J	200 J
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	460 J	370 J
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	3785	2120
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	2100 U	3900 U	750 U	3900 U	38000 U	800 U	4400 U	2100 U	37 U	7600 U
AROCLOR-1254	320	110	N(4)	2100 U	3900 U	750 U	3900 U	38000 U	800 U	4400 U	2100 U	37 U	7600 U
AROCLOR-1260	320	220	C	**12000**	**27000**	**3700**	**27000**	**140000**	**5000**	**24000**	**12000**	47	**58000**
TOTAL AROCLOR	320 (8)	220	C(9)	**12000**	**27000**	**3700**	**27000**	**140000**	**5000**	**24000**	**12000**	47	**58000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	0.16 B	0.55 J
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 L**	**3.4 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	25.7	34.5
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	0.36	0.76
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.2
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	9.9 K	13.8 K
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	**2.7 J**	**4.8 J**
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	7 J	7.9 J
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	**13200**	**13800**
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	15.9 J	12.3 J
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	48.8 L	53.2 L
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	0.019 U	0.061
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.34 B	0.42 B
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	4.8	6.7
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.29 L	0.26 L
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.04	0.081
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	0.063 B	0.1

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-357** **SB-357-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-358** **SB-358-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-359** **SB-359-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-360** **SB-360-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-361** **SB-361-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-362** **SB-362-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-363** **SB-363-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-364** **SB-364-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-500** **SB-500-0001** **20071127** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-501** **SB-501-0001** **20071127** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	**13.2**	**20.9**
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	42.7 J	36.1 J
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	18000 B	61000 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77.5	84.2	88.5	84.4	87.3	82.4	74.3	78.6	88.1	86.7
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-502 SB-502-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-503 SB-503-0001 20071127 ORIG SO NORMAL SS 0 1	SB-503 SB-503-0001-AVG 20071127 AVG SO NORMAL SS 0 1	SB-503 SB-503-0001-D 20071127 DUP SO NORMAL SS 0 1	SB-504 SB-504-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-505 SB-505-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-506 SB-506-0001 20071128 ORIG SO NORMAL SS 0 1	SB-506 SB-506-0001-AVG 20071128 AVG SO NORMAL SS 0 1	SB-506 SB-506-0001-D 20071128 DUP SO NORMAL SS 0 1	SB-507 SB-507-0001 20071128 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)														
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.65 B	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.2 J	0.35 J	0.35 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	3.1 B	1 B	3.75 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2-DICHLOROBENZENE	700000	190000	N	5.9 U	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,3-DICHLOROBENZENE	23000	NC		5.9 U	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,4-DICHLOROBENZENE	27000	2400	C	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	12.5 U	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U
ACETONE	7000000	6100000	N	12 U	12 U	12.5 U	13 U	7.3 J	12 U	11 U	11.5 U	12 U	13 J
CARBON DISULFIDE	780000	82000	N	5.9 U	5.8 U	6.15 U	6.5 U	0.82 J	6 U	0.95 J	0.95 J	5.8 U	5.8 U
CHLOROBENZENE	160000	29000	N	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
METHYLENE CHLORIDE	85000	11000	C	2.4 B	3.6 B	3.4 U	3.2 B	1.6 B	1.7 B	2 B	2.05 U	2.1 B	5.1 B
NAPHTHALENE	160000	3600	C	0.87 B	11 B	8.75 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
O-XYLENE	1600000 (5)	380000	N	5.9 U	0.43 J	0.43 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	125 R	130 UR	110 UR	120 UR	110 UR	115 R	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TOLUENE	630000	500000	N	5.9 U	0.46 J	0.46 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TOTAL XYLENES	1600000 (5)	63000	N	12 U	1.1 J	1.1 J	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U
SEMIVOLATILES (UG/KG)														
2-NITROANILINE	NC	61000	N	3900 U	12000 U	6425 U	850 U	720 U	800 U	750 U	755 U	760 U	770 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	2000 U	5800 U	37 J	37 J	360 U	93 J	380 U	24 J	24 J	37 J
BUTYL BENZYL PHTHALATE	NC	260000	C	2000 U	5800 U	3115 U	430 U	360 U	400 U	380 U	380 U	380 U	120 J
CAPROLACTAM	NC	3100000	N	2000 U	5800 U	3115 U	430 U	360 U	400 U	380 U	380 U	380 U	380 U
CARBAZOLE	32000	NC		2000 U	430 J	256	82 J	360 U	73 J	380 U	380 U	380 U	380 U
DIBENZOFURAN	7800	7800	N	2000 U	5800 U	34 J	34 J	360 U	400 U	380 U	380 U	380 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	2000 U	5800 U	3115 U	430 U	360 U	28 J	380 U	380 U	380 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
2-METHYLNAPHTHALENE	31000	31000	N	2000 U	190 J	105	20 J	360 U	9.8 J	380 U	380 U	380 U	380 U
ACENAPHTHENE	470000	340000	N	2000 U	470 J	277	84 J	7.5 J	45 J	380 U	380 U	380 U	380 U
ACENAPHTHYLENE	470000	340000	N(6)	84 J	330 J	183	36 J	360 U	13 J	380 U	380 U	380 U	380 U
ANTHRACENE	2300000	1700000	N	360 J	1500 J	835	170 J	16 J	95 J	380 U	380 U	380 U	380 U
BAP EQUIVALENT-HALFND	22	15		5574	10999	5944	890	306	827	380 U	380 U	380 U	229
BAP EQUIVALENT-POS	22	15	C	5574	10999	5944	890	126	827	380 U	380 U	380 U	18
BENZO(A)ANTHRACENE	220	150	C	4000	7300	3955	610	93 J	530	380 U	380 U	380 U	12 J
BENZO(A)PYRENE	22	15	C	3900	7600	4100	600	95 J	560	380 U	380 U	380 U	14 J
BENZO(B)FLUORANTHENE	220	150	C	4500	8100	4450	800	150 J	770	380 U	380 U	380 U	25 J
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	2100	5000 J	2685	370 J	67 J	360 J	380 U	380 U	380 U	8 J
BENZO(K)FLUORANTHENE	2200	1500	C	2100	3100 J	1705	310 J	71 J	330 J	380 U	380 U	380 U	380 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3400	7700	4160	620	100 J	480	380 U	380 U	380 U	14 J
DIBENZO(A,H)ANTHRACENE	22	15	C	590 J	1400 J	755	110 J	360 U	100 J	380 U	380 U	380 U	380 U
FLUORANTHENE	310000	230000	N	6100	14000	7650	1300	220 J	1100	380 U	380 U	380 U	19 J
FLUORENE	310000	230000	N	2000 U	580 J	327.5	75 J	360 U	35 J	380 U	380 U	380 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	2100	4200 J	2275	350 J	59 J	330 J	380 U	380 U	380 U	380 U
NAPHTHALENE	160000	3600	C	2000 U	180 J	102	24 J	360 U	13 J	380 U	380 U	380 U	380 U
PHENANTHRENE	2300000	170000	N(7)	650 J	5600 J	3135	670	74 J	570	380 U	380 U	380 U	9.4 J
PYRENE	230000	170000	N	5400	16000	8500	1000	170 J	810	380 U	380 U	380 U	16 J
TOTAL PAHS	NC	NC		35284	83250	45199.5	7149	1122.5	6150.8	0 U	0 U	0 U	117.4
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1242	320	220	C	390 U	390 U	216.5 U	43 U	180 U	20000 U	38 U	38 U	38 U	38 U
AROCLOR-1254	320	110	N(4)	390 U	390 U	216.5 U	43 U	180 U	20000 U	38 U	38 U	38 U	38 U
AROCLOR-1260	320	220	C	1200	1700	910	120	1200	99000	12 J	11.5	11 J	38 U
TOTAL AROCLOR	320 (8)	220	C(9)	1200	1700	910	120	1200	99000	12	11.5	11	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	0.12 B	2.2 J	1.345	0.49 J	0.089 B	0.89	0.073 B	0.066 U	0.059 B	0.13 B
ARSENIC	0.43	0.39	C	1.8 L	2.6 L	2.45	2.3	0.53 L	3.5	1.8	1.75	1.7	2.1
BARIUM	1600	1500	N	34	121 J	82.1	43.2 J	153	90	19.2	17.1	15	20.7
BERYLLIUM	16	16	N	0.29	0.88 J	0.6	0.32 J	0.12	0.54	0.22	0.23	0.24	2
CADMIUM	3.9	7	N	0.19	1.5 J	1.16	0.82 J	0.41 K	6.4	0.014 B	0.0125	0.018	0.11 K
CHROMIUM	12000 (10)	12000	N(10)	8.4 K	33.4 J	25.7	18 J	12.7 J	83.7 J	7.1 J	8.65	10.2 J	11.2 J
COBALT	NC	2.3	N	2.2 J	5 J	4.05	3.1	4.6	4	2.1	2.25	2.4	10.8
COPPER	310	310	N	5.6 J	12.7 J	12.1	11.5 J	13.8 J	26.8 J	3.8 J	4.75	5.7 J	12.7 J
IRON	5500	5500	N	5610	13300	10655	8010	20800	9150	13700	11780	9860	20400
LEAD	400	400		20.4 J	68.2 J	53.1	38 J	8.6 J	278 J	4 J	4.1	4.2 J	10.9 J
MANGANESE	160	180	N	81.6 L	1370 J	787.5	205 J	231	11.2	172 J	109.25	46.5 J	135
MERCURY	2.3 (11)	2.3	N(12)	0.02 U	0.019 U	0.12975	0.25	0.41	0.13	0.019 U	0.019 U	0.019 U	0.29
MOLYBDENUM	NC	39	N	0.22 B	0.59 J	0.3775	0.33 B	0.78 B	1.2 L	0.3 B	0.245 U	0.19 B	0.15 B
NICKEL	160	150	N	5.8	11	8.8	6.6	6.9	18.5	4.1	4.75	5.4	15.6
SELENIUM	39	39	N	0.19 UL	0.25 L	0.245	0.24	0.18 U	0.42	0.18 U	0.18 U	0.18 U	0.32
SILVER	39	39	N	0.056	0.23	0.235	0.24	0.092	0.38	0.049	0.03325	0.035 B	0.2
THALLIUM	0.55	NC		0.032 B	0.069 B	0.05875	0.083 K	0.38	0.098 K	0.054 K	0.0585	0.063 K	0.07 K

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-502 SB-502-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-503 SB-503-0001 20071127 ORIG SO NORMAL SS 0 1	SB-503 SB-503-0001-AVG 20071127 AVG SO NORMAL SS 0 1	SB-503 SB-503-0001-D 20071127 DUP SO NORMAL SS 0 1	SB-504 SB-504-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-505 SB-505-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-506 SB-506-0001 20071128 ORIG SO NORMAL SS 0 1	SB-506 SB-506-0001-AVG 20071128 AVG SO NORMAL SS 0 1	SB-506 SB-506-0001-D 20071128 DUP SO NORMAL SS 0 1	SB-507 SB-507-0001 20071128 NORMAL SO NORMAL SS 0 1
VANADIUM	7.8	39 N(13)	**12.4**	**53.4**	**42.65**	**31.9 J**	**22.8 J**	**60.7 J**	**13 J**	**13.95**	**14.9 J**	**17.1 J**
ZINC	2300	2300 N	39.7 J	175 J	127.8	80.6 J	63.8	302	12.2	14.4	16.6	78.2
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	130000	650000	347500	45000	52000	170000	14000 B	4800 J	4800 J	13000
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.4	85.6	81.4	77.2	91.2	82.8	87.5	87.1	86.7	85.8
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-508 SB-508-0001 20071128 NORMAL SO NORMAL SS 0 1	SB-509 SB-509-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-510 SB-510-0001 20071128 NORMAL SO NORMAL SS 0 1	SB-511 SB-511-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-512 SB-512-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-513 SB-513-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-514 SB-514-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-515 SB-515-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-516 SB-516-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-517 SB-517-0001 20071130 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,3-DICHLOROBENZENE	23000	NC		5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	11 U	11 U	11 U	12 U	2.7 J	12 U	5.3 J	11 U
ACETONE	7000000	6100000	N	21 J	12 U	11 U	11 U	8.2 J	12 U	51 J	11 J	18 J	11 U
CARBON DISULFIDE	780000	82000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	0.66 J	5.9 U	6 U	5.7 U
CHLOROBENZENE	160000	29000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
METHYLENE CHLORIDE	85000	11000	C	7.1 B	5 B	6.4 B	5.4 B	5.6 B	3.6 B	5.6 B	5.9 B	5.8 B	3.1 B
NAPHTHALENE	160000	3600	C	5.8 U	5.8 U	0.55 B	5.7 U	1.8 B	0.67 B	5.8 U	5.9 U	6 U	5.7 U
O-XYLENE	1600000 (5)	380000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	110 UR	110 UR	110 UR	120 UR	120 UR	120 UR	120 UR	110 UR
TETRACHLOROETHENE	1200	550	C	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TOLUENE	630000	500000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TOTAL XYLENES	1600000 (5)	63000	N	12 U	12 U	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	770 U	760 U	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	58 J	380 U	370 U	380 U	370 U	390 U	380 U	43 J	390 U	370 U
BUTYL BENZYL PHTHALATE	NC	260000	C	380 U	380 U	370 U	380 U	370 U	390 U	380 U	78 J	390 U	370 U
CAPROLACTAM	NC	3100000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
CARBAZOLE	32000	NC		380 U	380 U	370 U	380 U	370 U	390 U	380 U	41 J	390 U	370 U
DIBENZOFURAN	7800	7800	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	26 J	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
ACENAPHTHENE	470000	340000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	32 J	390 U	370 U
ACENAPHTHYLENE	470000	340000	N(6)	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
ANTHRACENE	2300000	1700000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	71 J	34 J	370 U
BAP EQUIVALENT-HALFND	22	15		380 U	380 U	**216**	**97**	**211**	**433**	380 U	**948**	**392**	**205**
BAP EQUIVALENT-POS	22	15	C	380 U	380 U	**31**	**97**	**24**	1.5	380 U	**948**	**197**	**20**
BENZO(A)ANTHRACENE	220	150	C	380 U	380 U	29 J	59 J	22 J	390 U	380 U	**550**	**170 J**	13 J
BENZO(A)PYRENE	22	15	C	380 U	380 U	**23 J**	**62 J**	**17 J**	390 U	380 U	**630**	**150 J**	15 J
BENZO(B)FLUORANTHENE	220	150	C	380 U	380 U	41 J	100 J	37 J	15 J	380 U	**860**	**210 J**	31 J
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	380 U	380 U	16 J	55 J	16 J	390 U	380 U	490	96 J	11 J
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	380 U	15 J	55 J	370 U	390 U	380 U	390	97 J	8.7 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	380 U	380 U	34 J	75 J	24 J	390 U	380 U	680	170 J	13 J
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	380 U	370 U	14 J	370 U	390 U	380 U	**130 J**	390 U	370 U
FLUORANTHENE	310000	230000	N	380 U	380 U	57 J	120 J	61 J	9.5 J	380 U	1200	320 J	15 J
FLUORENE	310000	230000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	26 J	390 U	370 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	380 U	13 J	47 J	14 J	390 U	380 U	**420**	83 J	9.2 J
NAPHTHALENE	160000	3600	C	10 J	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
PHENANTHRENE	2300000	170000	N(7)	17 J	380 U	25 J	29 J	59 J	390 U	380 U	430	120 J	370 U
PYRENE	230000	170000	N	380 U	380 U	44 J	83 J	47 J	390 U	380 U	830	250 J	13 J
TOTAL PAHS	NC	NC		53	0 U	297	699	297	24.5	0 U	6739	1700	128.9
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	38 U	38 U	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U
AROCLOR-1254	320	110	N(4)	38 U	38 U	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U
AROCLOR-1260	320	220	C	15 J	38 U	31 J	49	30 J	84	38 U	**290**	39 U	37 U
TOTAL AROCLOR	320 (8)	220	C(9)	15	0 U	31	49	30	84	0 U	**290**	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.14 B	0.031 L	0.29 L	0.23 L	0.083 L	0.18 L	0.098 L	0.29 L	0.23 L	0.18 L
ARSENIC	0.43	0.39	C	**2.5**	**1.5 J**	**9.6 J**	**0.52 J**	**1.5 J**	**1.7 J**	**1.5 J**	**0.99 J**	**0.94 L**	**1.1 L**
BARIUM	1600	1500	N	19.3	12.5 K	12.2 K	15.1 K	15.8 K	26.4 K	20.4 K	24.1 K	13.7	15.1
BERYLLIUM	16	16	N	0.59	0.3	0.21	1.8	0.55	0.35	1	0.84	1.1	1.6
CADMIUM	3.9	7	N	0.044 K	0.012 B	0.036 K	0.029 K	0.093 K	0.11 K	0.78	0.45	0.16 K	0.07 K
CHROMIUM	12000 (10)	12000	N(10)	11.1 J	6.3 J	10.1 J	15.5 J	11.4 J	12.7 J	15.8 J	11.3 J	11.8 J	9.3 J
COBALT	NC	2.3	N	**27.2**	**3.9**	**3.9**	**4.2**	**3.7**	**3.9**	**17.5**	**4.1**	**2.8 J**	**5.7 J**
COPPER	310	310	N	10.8 J	4.9 J	27.9 J	16.9 J	11.4 J	7.1 J	22.8 J	12.5 J	10.3 L	16.5 L
IRON	5500	5500	N	**13800**	**10400**	**13400**	**24400**	**13200**	**13800**	**16100**	**11900**	**16600**	**17600**
LEAD	400	400		3.8 J	3 J	2 J	6.8 J	4.5 J	9.3 J	11.4 J	36.7 J	5.7 L	11.4 L
MANGANESE	160	180	N	42.1	27.4 L	83.4 L	53.7 L	66.5 L	122 L	133 L	152 L	69.5 L	65.4 L
MERCURY	2.3 (11)	2.3	N(12)	0.019 U	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.072 L	0.19 L	0.019 UL
MOLYBDENUM	NC	39	N	0.58 B	0.16 B	3.2 J	0.091 B	0.31 B	0.077 UL	0.081 B	0.094 B	0.23 B	0.12 B
NICKEL	160	150	N	9.1	3.2 J	11.1 J	16.3 J	8.7 J	6.5 J	15.4 J	11.8 J	10.9 L	13.1 J
SELENIUM	39	39	N	0.19 U	0.18 UL	0.18 UL	1.1 L	0.18 UL	0.19 UL	0.27 L	0.19 UL	0.34 L	0.69 L
SILVER	39	39	N	0.14	0.031	0.058	0.099 K	0.06	0.06	0.079	0.12	0.12	0.086
THALLIUM	0.55	NC		0.038 B	0.055 B	0.02 B	0.064 B	0.023 B	0.031 B	0.055 B	0.041 B	0.041 K	0.034 K

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-508** **SB-508-0001** **20071128** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-509** **SB-509-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-510** **SB-510-0001** **20071128** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-511** **SB-511-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-512** **SB-512-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-513** **SB-513-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-514** **SB-514-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-515** **SB-515-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-516** **SB-516-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-517** **SB-517-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	**15.9 J**	**11.4 J**	**8.5 J**	**20.6 J**	**14.3 J**	**10.6 J**	**18.8 J**	**15 J**	**20.3 J**	**15.8 J**
ZINC	2300	2300 N	16.2	11.1	12.6	20.5	16.7	23.2	47.3	57	25.9	46.7
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	5900 J	10000 B	22000 B	9000 B	33000	2200 J	1800 B	2200 J	23000	4000 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85.9	86.7	89.4	87.3	88.6	85.5	86.3	84.8	83.9	88.4
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-518 SB-518-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-519 SB-519-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-520 SB-520-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-521 SB-521-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-522 SB-522-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-523 SB-523-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-524 SB-524-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-525 SB-525-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-526 SB-526-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-527 SB-527-0001 20071204 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	4.1 J	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	74 J	7.5 J	12 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	4.8 B	3.6 B	4.6 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	800 U	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	31 J	410 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		400 U	**432**	**249**	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	400 U	1.2	**42**	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	400 U	390 U	33 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	390 U	**32 J**	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	400 U	12 J	46 J	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	400 U	390 U	22 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	400 U	390 U	39 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	400 U	390 U	69 J	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	390 U	19 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	400 U	390 U	40 J	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	400 U	390 U	57 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	12	357	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	40 U	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1254	320	110	N(4)	40 U	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1260	320	220	C	40 U	39 U	41 U	**3100**	**3400**	**2100**	**52000**	**54000**	**82000**	**62000**
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	0 U	0 U	**3100**	**3400**	**2100**	**52000**	**54000**	**82000**	**62000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.18 J	0.12 J	0.22 L	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**2.2 L**	**1.6 L**	**0.82 L**	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	20.1	16	9	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.2	0.95	1.4	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.022 K	0.019 K	0.029 K	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	11.5 J	10.5 J	7.5 J	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	**3.9 J**	**3.8 J**	**4.6 J**	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	14.5 L	11.2 L	10.8 L	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	**29900**	**14600**	**17800**	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		4.7 L	3.9 L	5.3 L	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	85 L	74.9 L	41.7 L	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	0.02 UL	0.02 UL	0.021 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	0.18 B	0.16 B	0.64 J	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	7.4 L	8.1 L	10.2 L	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.35 L	0.62 L	0.44 L	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.097	0.086	0.065	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.061 K	0.045 K	0.026 K	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-518** **SB-518-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-519** **SB-519-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-520** **SB-520-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-521** **SB-521-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-522** **SB-522-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-523** **SB-523-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-524** **SB-524-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-525** **SB-525-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-526** **SB-526-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-527** **SB-527-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	**17.6 J**	**20.2 J**	**12 J**	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	23.6	17.3	23.2	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	610 B	2800 B	5200 B	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	82.9	85	81	79	80	86.9	83.3	77.1	76	46.1
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-528 SB-528-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-529 SB-529-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-530 SB-530-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-531 SB-531-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-532 SB-532-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-533 SB-533-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-534 SB-534-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-535 SB-535-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-536 SB-536-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-537 SB-537-0001 20071204 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U	2500 U
AROCLOR-1254	320	110	N(4)	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U	2500 U
AROCLOR-1260	320	220	C	**34000**	**1500000**	**690000**	**190000**	**2100**	**53000**	**49000**	**6000**	**77000**	**10000**
TOTAL AROCLOR	320 (8)	220	C(9)	**34000**	**1500000**	**690000**	**190000**	**2100**	**53000**	**49000**	**6000**	**77000**	**10000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-528** **SB-528-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-529** **SB-529-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-530** **SB-530-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-531** **SB-531-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-532** **SB-532-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-533** **SB-533-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-534** **SB-534-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-535** **SB-535-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-536** **SB-536-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-537** **SB-537-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77.5	83.9	74.5	86.5	76	74.7	68.3	86.6	63.3	65.2
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-538 SB-538-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-539 SB-539-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-818 E-SB-818-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-819 E-SB-819-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-820 E-SB-820-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-821 E-SB-821-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-822 E-SB-822-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-823 E-SB-823-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-824 E-SB-824-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-825 E-SB-825-SS 20100913 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	880 U	4300 U	14 U	14 U	14 U	15 U	15 U	16 U	15 U	15 U
AROCLOR-1254	320	110	N(4)	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U	19 U	20 U
AROCLOR-1260	320	220	C	4500	18000	19 U	18 U	19 U	21 J	20 U	38 J	19 U	20 U
TOTAL AROCLOR	320 (8)	220	C(9)	4500	18000	0 U	0 U	0 U	21	0 U	38	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-538** **SB-538-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-539** **SB-539-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-818** **E-SB-818-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-819** **E-SB-819-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-820** **E-SB-820-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-821** **E-SB-821-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-822** **E-SB-822-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-823** **E-SB-823-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-824** **E-SB-824-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-825** **E-SB-825-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	75.1	75.9	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-827 E-SB-827-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-828 E-SB-828-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-829 E-SB-829-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-830 E-SB-830-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-831 E-SB-831-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-832 E-SB-832-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-833 E-SB-833-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-833A E-SB-833A-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833B E-SB-833B-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833C E-SB-833C-02 20101012 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	0.4 U	140	0.29 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	0.18 U	0.68 B	0.6 B
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	0.36 B	140 J	1.1 B
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	0.37 U	3.4 J	0.27 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	0.36 U	21	0.27 U
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	0.69 U	12	0.5 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.2 U	1.1 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	6.8 B	7.7 B	4.8 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	0.46 U	0.37 U	0.33 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	0.34 U	0.28 U	0.25 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	0.7 U	0.57 U	0.51 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.16 U	0.14 U
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	0.36 U	0.3 U	0.27 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	7.9 UR	6.5 UR	5.8 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	0.54 U	0.44 U	0.4 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	0.28 U	0.23 U	0.21 U
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	0.7 U	0.57 U	0.51 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	170 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		80 U	85 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	77 U	77 U	NA	NA	NA	85 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	260 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	86 J	77 U	NA	NA	NA	96 J	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	200 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	160 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	170 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	110 J	77 U	NA	NA	NA	85 U	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	48 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	660	4 U	3.9 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	410	93	3.9 U
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	950	4 U	3.9 U
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	2020	93	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	16 U	15 U	15 U	14 U	15 U	69 U	16 U	14 U	310 U	15 U
AROCLOR-1254	320	110	N(4)	20 U	20 U	20 U	19 U	19 U	91 U	22 U	18 U	410 U	20 U
AROCLOR-1260	320	220	C	34 J	35 J	20 UJ	19 U	19 U	**690**	22 U	220	**1700**	82
TOTAL AROCLOR	320 (8)	220	C(9)	34	35	0 U	0 U	0 U	**690**	0 U	220	**1700**	82
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-827** **E-SB-827-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-828** **E-SB-828-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-829** **E-SB-829-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-830** **E-SB-830-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-831** **E-SB-831-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-832** **E-SB-832-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-833** **E-SB-833-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-833A** **E-SB-833A-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-833B** **E-SB-833B-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-833C** **E-SB-833C-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	**8900000 J**	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	440	55 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-833D E-SB-833D-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833E E-SB-833E-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833F E-SB-833F-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833G E-SB-833G-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833H E-SB-833H-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833J E-SB-833J-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833K E-SB-833K-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833L E-SB-833L-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833M E-SB-833M-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833N E-SB-833N-02 20101014 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.31 U	39000	280 J	0.31 U	0.33 U	47 J	43000 J	300 J	11 J	0.31 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.14 U	6.8 U	0.15 U	0.14 U	0.15 U	0.13 U	7.1 U	0.14 U	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	0.52 B	180000	1200	0.68 B	1.1 B	260	210000	1600	47 J	0.22 U
1,2-DICHLOROBENZENE	700000	190000	N	0.29 U	970 J	26 J	0.29 U	0.31 U	6.5 U	360 U	22 J	0.32 U	0.29 U
1,3-DICHLOROBENZENE	23000	NC		0.28 U	190 U	4.2 U	0.33 J	0.31 U	11 J	1100 J	3.9 U	0.31 U	0.28 U
1,4-DICHLOROBENZENE	27000	2400	C	0.53 U	1500 J	42 J	1.3 J	0.58 U	12 J	2700 J	38 J	0.58 U	0.53 U
2-BUTANONE	4700000	2800000	N	3.2 B	1700 U	38 U	1.1 U	1.2 U	88 J	1800 U	35 U	1.2 U	1.1 U
ACETONE	7000000	6100000	N	25 B	6800 U	230 J	5.1 U	8.4 B	220 B	9800 B	160 B	5.5 U	13 J
CARBON DISULFIDE	780000	82000	N	0.35 U	480 U	10 U	0.36 U	0.38 U	9.1 U	500 U	9.8 U	0.39 U	0.36 U
CHLOROBENZENE	160000	29000	N	0.26 U	260 U	5.6 U	12	0.29 U	4.8 U	270 U	5.2 U	0.29 U	0.27 U
METHYLENE CHLORIDE	85000	11000	C	0.54 U	3100 U	88 J	0.55 U	0.58 U	58 U	3200 U	63 U	0.59 U	0.54 U
NAPHTHALENE	160000	3600	C	0.15 U	270 U	5.9 U	0.15 U	0.17 U	5.1 U	280 U	5.5 U	0.17 U	2.1 B
O-XYLENE	1600000 (5)	380000	N	0.28 U	340 U	7.4 U	0.28 U	0.31 U	6.4 U	360 U	6.9 U	0.31 U	0.28 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.1 UR	9700 UR	210 UR	6.2 UR	6.6 UR	390 J	10000 UR	620 J	6.7 UR	6.2 UR
TETRACHLOROETHENE	1200	550	C	0.42 U	480 U	10 U	0.42 U	0.45 U	9.1 U	500 U	9.8 U	0.46 U	1.8 J
TOLUENE	630000	500000	N	0.22 U	680 U	15 U	0.22 U	0.24 U	13 U	710 U	14 U	0.31 J	0.22 U
TOTAL XYLENES	1600000 (5)	63000	N	0.54 U	330 U	7.1 U	0.55 U	0.58 U	6.1 U	340 U	6.6 U	0.59 U	0.54 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
ACENAPHTHENE	470000	340000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	98	3.9 U	3.9 U	39 U
ACENAPHTHYLENE	470000	340000	N(6)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
ANTHRACENE	2300000	1700000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	240	3.9 U	3.9 U	39 U
BAP EQUIVALENT-HALFND	22	15		7.0	4 U	4 U	3.9 U	3.7 U	3.9 U	1788	3.9 U	3.9 U	39 U
BAP EQUIVALENT-POS	22	15	C	2.8	4 U	4 U	3.9 U	3.7 U	3.9 U	1788	3.9 U	3.9 U	39 U
BENZO(A)ANTHRACENE	220	150	C	15	4 U	4 U	3.9 U	3.7 U	3.9 U	1300	3.9 U	3.9 U	39 U
BENZO(A)PYRENE	22	15	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	1200	3.9 U	3.9 U	39 U
BENZO(B)FLUORANTHENE	220	150	C	13	4 U	4 U	3.9 U	3.7 U	3.9 U	1700	3.9 U	3.9 U	39 U
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	850	3.9 U	3.9 U	39 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	630	3.9 U	3.9 U	39 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	25	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1200	1.3 U	1.3 U	13 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	210	3.9 U	3.9 U	39 U
FLUORANTHENE	310000	230000	N	42	4 U	4 U	3.9 U	3.7 U	3.9 U	2000	3.9 U	3.9 U	520
FLUORENE	310000	230000	N	8.8	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	700	3.9 U	3.9 U	39 U
NAPHTHALENE	160000	3600	C	33	31	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
PHENANTHRENE	2300000	170000	N(7)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	800	3.9 U	3.9 U	39 U
PYRENE	230000	170000	N	30	4 U	4 U	3.9 U	3.7 U	3.9 U	1600	3.9 U	3.9 U	290
TOTAL PAHS	NC	NC		166.8	31	0 U	0 U	0 U	0 U	12528	0 U	0 U	810
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	16 U	16000 U	1600 U	15 U	15 U	150 U	30000 U	15 U	150 U	15 U
AROCLOR-1254	320	110	N(4)	21 U	20000 U	2100 U	20 U	19 U	200 U	39000 U	20 U	200 U	20 U
AROCLOR-1260	320	220	C	21 U	360000	25000	57	23 J	3000	680000	26 J	1300	31 J
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	360000	25000	57	23	3000	680000	26	1300	31
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-833D E-SB-833D-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833E E-SB-833E-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833F E-SB-833F-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833G E-SB-833G-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833H E-SB-833H-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833J E-SB-833J-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833K E-SB-833K-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833L E-SB-833L-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833M E-SB-833M-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833N E-SB-833N-02 20101014 NORMAL SO NORMAL SB 2 2**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	**640000 J**	150000 J	NA	NA	NA	**1400000 K**	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	64 J	56 U	NA	NA	NA	1400	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-834 E-SB-834-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-835 E-SB-835-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-836 E-SB-836-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-837 E-SB-837-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-838 E-SB-838-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-839 E-SB-839-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-840 E-SB-840-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-841 E-SB-841-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-842 E-SB-842-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-843 E-SB-843-SS 20100914 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	120 J	81 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		75 U	150 J	81 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	88 J	81 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	15 U	160 U	16 U	14 U	14 U	4100 U	14 U	1400 U	14 U	15 U
AROCLOR-1254	320	110	N(4)	19 U	200 U	20 U	19 U	19 U	5300 U	18 U	1800 U	19 U	19 U
AROCLOR-1260	320	220	C	19 U	**910**	130	26 J	19 U	**41000**	120	**25000**	19 U	19 U
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	**910**	130	26	0 U	**41000**	120	**25000**	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-834** **E-SB-834-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-835** **E-SB-835-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-836** **E-SB-836-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-837** **E-SB-837-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-838** **E-SB-838-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-839** **E-SB-839-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-840** **E-SB-840-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-841** **E-SB-841-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-842** **E-SB-842-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-843** **E-SB-843-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-844 E-SB-844-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-845 E-SB-845-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-846 E-SB-846-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-847 E-SB-847-SS 20100913 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)							
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1242	320	220	C	150 U	6900 U	15 U	14 U
AROCLOR-1254	320	110	N(4)	190 U	9100 U	19 U	18 U
AROCLOR-1260	320	220	C	**2300**	**37000**	53	64
TOTAL AROCLOR	320 (8)	220	C(9)	**2300**	**37000**	53	64
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-844** **E-SB-844-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-845** **E-SB-845-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-846** **E-SB-846-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-847** **E-SB-847-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NC	NC	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-005 SB-5A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-006 SB-6A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-540 SB-540-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-541 SB-541-2 20081023 NORMAL SO NORMAL SB 2 2	SB-541 SB-541-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-541 SB-541-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-541A SB-541A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-541A SB-541A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-541A SB-541A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-542 SB-542-2 20081023 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	55 U	58 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	55 U	58 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	8 J	9 J	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	950 U	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	280 U	290 U	400 U	20 U	20 U	20 U	89 U	21 U	21 U	19 U
AROCLOR-1254	320	110 N[4]	280 U	290 U	400 U	20 U	20 U	20 U	89 U	21 U	21 U	19 U
AROCLOR-1260	320	220 C	280 U	290 U	**1800**	20 U	20 U	20 U	**490**	19 J	21 J	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	**1800**	0 U	0 U	0 U	**490**	19	21	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	**1.1**	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	29	10 K	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	5.8 L	5.1 L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	8 J	2.8 UJ	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	3.6 K	5.6 K	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	2.8 UL	2.8 UL	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	2.2 UL	2.3 UL	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)3)]	USEPA Regional Screening Levels (RSLs) [2)3)]	SB-005 SB-5A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-006 SB-6A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-540 SB-540-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-541 SB-541-2 20081023 NORMAL SO NORMAL SB 2 2	SB-541 SB-541-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-541 SB-541-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-541A SB-541A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-541A SB-541A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-541A SB-541A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-542 SB-542-2 20081023 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	28 UL	28 UL	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	11000 U	11000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 U	170	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	81.9	82	82	81	94	79	79	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544
SAMPLE ID				SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2
SAMPLE DATE				20081023	20081023	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SS	SS	SB	SS	SS	SS	SB
TOP DEPTH				0.5	0	2	0.5	0	2	0	0.5	0	2
BOTTOM DEPTH				1	0.5	2	1	0.5	2	0	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	20 U	20 U	19 U	19 U	20 U	180 U	19 U	20 U	20 U
AROCLOR-1254	320	110	N[4]	19 U	20 U	20 U	19 U	19 U	20 U	180 U	19 U	20 U	20 U
AROCLOR-1260	320	220	C	19 U	20 U	20 U	19 U	5.4 J	20 U	940	77	91	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	5.4	0 U	940	77	91	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544
SAMPLE ID			SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2
SAMPLE DATE			20081023	20081023	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SS	SB
TOP DEPTH			0.5	0	2	0.5	0	2	0	0.5	0	2
BOTTOM DEPTH			1	0.5	2	1	0.5	2	0	1	0.5	2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	85	85	88	87	NA	94	NA	82	82
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-544	SB-544	SB-544A	SB-544A	SB-544A	SB-545	SB-545	SB-546	SB-546	SB-546
SAMPLE ID				SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D
SAMPLE DATE				20081023	20081023	20081111	20081111	20081111	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS	SS	SS	SB	SB	SB
TOP DEPTH				0.5	0	0	0.5	0	0.5	0	2	2	2
BOTTOM DEPTH				1	0.5	0	1	0.5	1	0.5	2	2	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	20 U	19 U	17 U	20 U	19 U	21 U	20 U	20 U	19.5 U	19 U
AROCLOR-1254	320	110	N[4]	20 U	19 U	17 U	20 U	19 U	21 U	20 U	20 U	19.5 U	19 U
AROCLOR-1260	320	220	C	20 U	19 U	41	23	190	21 U	20 U	20 U	19.5 U	19 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	41	23	190	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-544 SB-544-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-544 SB-544-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-544A SB-544A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-544A SB-544A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-544A SB-544A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-545 SB-545-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-545 SB-545-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-546 SB-546-2 20081023 ORIG SO NORMAL SB 2 2	SB-546 SB-546-2-AVG 20081023 AVG SO NORMAL SB 2 2	SB-546 SB-546-2-D 20081023 DUP SO NORMAL SB 2 2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84	87	95	84	88	81	84	85	85.5	86
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-546 SB-546-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1	SB-546 SB-546-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-D 20081023 DUP SO NORMAL SS 0 0.5	SB-546A SB-546A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-546A SB-546A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-546A SB-546A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-547 SB-547-2 20081021 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	18 U	18.5 U	19 U	19 U	19 U	19 U	18 U	20 U	920 U	19 U
AROCLOR-1254	320	110 N[4]	18 U	18.5 U	19 U	19 U	19 U	19 U	18 U	20 U	920 U	19 U
AROCLOR-1260	320	220 C	18 U	18.5 U	19 UJ	19 U	19 U	19 U	66	140	**9600**	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	0 U	0 U	0 U	66	140	**9600**	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-546 SB-546-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1	SB-546 SB-546-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-D 20081023 DUP SO NORMAL SS 0 0.5	SB-546A SB-546A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-546A SB-546A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-546A SB-546A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-547 SB-547-2 20081021 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	90	88	86	90	89.5	89	94	85	91	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID			SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG
SAMPLE DATE			20081021	20081021	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE			NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH			0.5	0	2	2	2	0.5	0.5	0.5	0	0
BOTTOM DEPTH			1	0.5	2	2	2	1	1	1	0.5	0.5
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1254	320	110 N[4]	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1260	320	220 C	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-547 SB-547-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-547 SB-547-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-548 SB-548-2 20081023 ORIG SO NORMAL SB 2 2	SB-548 SB-548-2-AVG 20081023 AVG SO NORMAL SB 2 2	SB-548 SB-548-2-D 20081023 DUP SO NORMAL SB 2 2	SB-548 SB-548-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1	SB-548 SB-548-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1	SB-548 SB-548-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1	SB-548 SB-548-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5	SB-548 SB-548-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	91	89	86	87	88	87	88	89	88	87
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID				SB-548-SS0-0.5-D	SB-549-2	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2
SAMPLE DATE				20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE				DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH				0	2	2	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH				0.5	2	2	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
AROCLOR-1254	320	110	N[4]	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
AROCLOR-1260	320	220	C	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-548** **SB-548-SS0-0.5-D** **20081023** **DUP** **SO** **NORMAL** **SS** **0** **0.5**	**SB-549** **SB-549-2** **20081023** **ORIG** **SO** **NORMAL** **SB** **2** **2**	**SB-549** **SB-549-2-AVG** **20081023** **AVG** **SO** **NORMAL** **SB** **2** **2**	**SB-549** **SB-549-2-D** **20081023** **DUP** **SO** **NORMAL** **SB** **2** **2**	**SB-549** **SB-549-SS0.5-1** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-549** **SB-549-SS0-0.5** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-550** **SB-550-2** **20081023** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-550** **SB-550-SS0.5-1** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-550** **SB-550-SS0-0.5** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-550A** **SB-550A-2** **20081111** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	85	85.5	86	85	87	85	84	86	84
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-550A	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID				SB-550A-SS[SJ]	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE				20081111	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH				0	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH				0	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	17 U	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1254	320	110	N[4]	17 U	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1260	320	220	C	61	20 U	12 J	21 U	20 U	5.6 J	20 U	27	19 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	61	0 U	12	0 U	0 U	5.6	0 U	27	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-550A SB-550A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-550A SB-550A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-550A SB-550A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-551 SB-551-2 20081023 NORMAL SO NORMAL SB 2 2	SB-551 SB-551-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-551 SB-551-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-552 SB-552-2 20081023 NORMAL SO NORMAL SB 2 2	SB-552 SB-552-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-552 SB-552-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-553 SB-553-2 20081021 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	95	81	82	80	83	91	85	87	86	82
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557
SAMPLE ID				SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5	SB-557-2
SAMPLE DATE				20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH				0.5	2	0.5	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH				1	2	1	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U	18 U
AROCLOR-1254	320	110	N[4]	19 U	19 U	19 U	950 U	4800	36000	NA	20 U	18 U	18 U
AROCLOR-1260	320	220	C	19 U	19 U	19 U	3800	3800 J	17000 J	NA	20 U	180	18 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	3800	8600	53000	NA	0 U	180	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557
SAMPLE ID			SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5	SB-557-2
SAMPLE DATE			20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SB	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH			0.5	2	0.5	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH			1	2	1	2	1	0.5	2	1	0.5	2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	88	90	88	91	93	83	82	91	95
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-557 SB-557-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-557 SB-557-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-558 SB-558-2 20081021 NORMAL SO NORMAL SB 2 2	SB-558 SB-558-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-558 SB-558-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-559 SB-559-2 20081022 NORMAL SO NORMAL SB 2 2	SB-559 SB-559-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1	SB-559 SB-559-SS0-0.5 20081022 NORMAL SO NORMAL SS 0 0.5	SB-560 SB-560-2 20081022 NORMAL SO NORMAL SB 2 2	SB-560 SB-560-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U	18 U	18 U
AROCLOR-1254	320	110	N[4]	18 U	19 U	51	19 U	196 U	18 U	18 U	18 U	18 U	18 U
AROCLOR-1260	320	220	C	18 U	11 J	19 U	19 U	**1600**	18 U	18 U	5.2 J	18 U	18 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	11	51	0 U	**1600**	0 U	0 U	5.2	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560
SAMPLE ID			SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5	SB-560-2	SB-560-SS0.5-1
SAMPLE DATE			20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH			0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH			1	0.5	2	1	0.5	2	1	0.5	2	1
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	90	89	89	87	86	93	93	93	93	91
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562	SB-563	SB-563	SB-563
SAMPLE ID				SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5
SAMPLE DATE				20081022	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH				0	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH				0.5	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	18 U	NA	NA	NA	NA	NA	NA	19 U	18 U	19 U
AROCLOR-1254	320	110	N[4]	18 U	NA	NA	NA	NA	NA	NA	19 U	18 U	19 U
AROCLOR-1260	320	220	C	13 J	NA	NA	NA	NA	NA	NA	19 U	18 U	40
TOTAL AROCLOR	320 [8]	220	C[9]	13	NA	NA	NA	NA	NA	NA	0 U	0 U	40
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-560** **SB-560-SS0-0.5** **20081022** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-561** **SB-561-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-561** **SB-561-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-561** **SB-561-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-562** **SB-562-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-562** **SB-562-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-562** **SB-562-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-563** **SB-563-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-563** **SB-563-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-563** **SB-563-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	92	90	92	92	85	90	87	86	91	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)3)]	USEPA Regional Screening Levels (RSLs) [2)3)]	SB-564 SB-564-2 20081022 NORMAL SO NORMAL SB 2 2	SB-564 SB-564-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1	SB-564 SB-564-SS0-0.5 20081022 NORMAL SO NORMAL SS 0 0.5	SB-565 SB-565-2 20081022 NORMAL SO NORMAL SB 2 2	SB-565 SB-565-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1	SB-565 SB-565-SS0-0.5 20081022 NORMAL SO NORMAL SS 0 0.5	SB-566 SB-566-2 20081022 NORMAL SO NORMAL SB 2 2	SB-566 SB-566-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1	SB-566 SB-566-SS0-0.5 20081022 NORMAL SO NORMAL SS 0 0.5	SB-567 SB-567-2 20081023 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	17 U	18 U	18 U	97 U	20 U	19 U	19 U	18 U	92 U	19 U
AROCLOR-1254	320	110 N[4]	17 U	18 U	18 U	97 U	20 U	19 U	19 U	18 U	92 U	19 U
AROCLOR-1260	320	220 C	17 U	18 U	11 J	**1000**	**340**	210	19 U	11 J	**1200**	4.3 J
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	11	**1000**	**340**	210	0 U	11	**1200**	4.3
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID			SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2
SAMPLE DATE			20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH			2	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH			2	1	0.5	2	1	0.5	2	1	0.5	2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	96	95	92	86	85	86	90	91	91	90
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID				SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1
SAMPLE DATE				20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH				0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH				1	0.5	2	1	0.5	2	1	0.5	2	1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	18 U	18 U	910 U	9000 U	20 U	690 U	19000 U	18 U	180 U
AROCLOR-1254	320	110	N[4]	19 U	18 U	18 U	910 U	9000 U	20 U	690 U	19000 U	18 U	180 U
AROCLOR-1260	320	220	C	5.4 J	25	18 U	**11000**	**81000 J**	20 U	**7900**	**300000**	18 U	**3200**
TOTAL AROCLOR	320 [8]	220	C[9]	5.4	25	0 U	**11000**	**81000**	0 U	**7900**	**300000**	0 U	**3200**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID			SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1
SAMPLE DATE			20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH			0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH			1	0.5	2	1	0.5	2	1	0.5	2	1
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87	91	91	92	93	85	97	88	92	91
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-570	SB-571	SB-571	SB-571
SAMPLE ID			SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE			20081022	20081023	20081023	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SB	SS	SS
TOP DEPTH			0	2	0.5	0
BOTTOM DEPTH			0.5	2	1	0.5
VOLATILES (UG/KG)						
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1242	320	220 C	370 U	19 U	18 U	18 U
AROCLOR-1254	320	110 N(4)	370 U	19 U	18 U	18 U
AROCLOR-1260	320	220 C	**6800**	19 U	18 U	18 U
TOTAL AROCLOR	320 (8)	220 C(9)	**6800**	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]	**SB-570** **SB-570-SS0-0.5** **20081022** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-571** **SB-571-2** **20081023** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-571** **SB-571-SS0.5-1** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-571** **SB-571-SS0-0.5** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	90	90	91	94
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NC	NC	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
5 - The value is for xylenes.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	22 U	27 U	25 U	27 U	23 U	25 U	22 U
AROCLOR-1221	17 U	20 U	19 U	20 U	17 U	19 U	17 U
AROCLOR-1232	15 U	18 U	17 U	18 U	15 U	16 U	15 U
AROCLOR-1242	14 U	17 U	16 U	17 U	14 U	15 U	14 U
AROCLOR-1248	18 U	22 U	20 U	22 U	18 U	20 U	18 U
AROCLOR-1254	18 U	22 U	20 U	22 U	18 U	20 U	18 U
AROCLOR-1260	18 U	22 U	20 U	22 U	96	20 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	96	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21.5 U	21 U	24 U	24 U	24 U	24 U	25 U	26 U	24 U
AROCLOR-1221	16.5 U	16 U	19 U	18 U	18 U	18 U	19 U	19 U	18 U
AROCLOR-1232	14.5 U	14 U	16 U	16 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	13.5 U	13 U	15 U	15 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	17.5 U	17 U	20 U	19 U	20 U	19 U	20 U	21 U	19 U
AROCLOR-1254	17.5 U	17 U	20 U	19 U	20 U	19 U	20 U	21 U	19 U
AROCLOR-1260	17.5 U	17 U	54	19 U	20 U	19 U	20 U	21 U	37 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	54	0 U	0 U	0 U	0 U	0 U	37
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	27 U	26.5 U	26 U	25 U	26 U	26 U	26 U	25 U
AROCLOR-1221	19 U	20 U	20 U	20 U	19 U	20 U	19.5 U	19 U	19 U
AROCLOR-1232	17 U	18 U	17.5 U	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	16 U	15 U	16 U	16 U	16 U	15 U
AROCLOR-1248	20 U	22 U	21.5 U	21 U	20 U	21 U	21 U	21 U	20 U
AROCLOR-1254	20 U	22 U	21.5 U	21 U	20 U	21 U	21 U	21 U	20 U
AROCLOR-1260	20 U	60 J	41.5	23 J	20 U	21 U	21 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	60	41.5	23	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	26 U	26 U	24 U	24 U	24 U	24 U	24 U	26 U
AROCLOR-1221	18 U	20 U	20 U	18 U	18 U	19 U	19 U	19 U	20 U
AROCLOR-1232	16 U	18 U	17 U	16 U	16 U	16 U	16 U	16 U	18 U
AROCLOR-1242	15 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U	16 U
AROCLOR-1248	20 U	21 U	21 U	19 U	19 U	20 U	20 U	20 U	21 U
AROCLOR-1254	20 U	21 U	21 U	19 U	19 U	20 U	20 U	20 U	21 U
AROCLOR-1260	20 U	21 U	21 U	19 U	37	20 U	20 U	20 U	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	37	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1248	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	490 J	NA	NA	90 U
C1-FLUORANTHENES/PYRENES	NA	NA	77 U	NA	NA	370 J	NA	NA	90 U
C1-FLUORENES	NA	NA	77 U	NA	NA	170 J	NA	NA	90 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	81 U	NA	NA	90 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	580 J	NA	NA	90 U
C2-FLUORENES	NA	NA	77 U	NA	NA	330 J	NA	NA	90 U
C2-NAPHTHALENES	NA	NA	77 U	NA	NA	81 U	NA	NA	90 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	460 J	NA	NA	90 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	430 J	NA	NA	90 U
C3-FLUORENES	NA	NA	77 U	NA	NA	320 J	NA	NA	90 U
C3-NAPHTHALENES	NA	NA	77 U	NA	NA	500 J	NA	NA	90 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	620 J	NA	NA	90 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	350 J	NA	NA	90 U
C4-NAPHTHALENES	NA	NA	77 U	NA	NA	2300 J	NA	NA	90 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	660 J	NA	NA	90 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	480 U	25000 U	24 U	26 U	25 U	25 U	28 U
AROCLOR-1221	19 U	19 U	370 U	19000 U	19 U	19 U	19 U	19 U	21 U
AROCLOR-1232	16 U	17 U	320 U	16000 U	16 U	17 U	16 U	17 U	19 U
AROCLOR-1242	15 U	15 U	300 U	15000 U	15 U	16 U	15 U	16 U	17 U
AROCLOR-1248	20 U	20 U	390 U	20000 U	20 U	21 U	20 U	20 U	23 U
AROCLOR-1254	20 U	20 U	390 U	20000 U	20 U	21 U	20 U	20 U	23 U
AROCLOR-1260	20 U	20 U	2500 J	260000 J	300	130	20 UJ	20 UJ	23 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	2500	260000	300	130	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	1500000	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	280 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	24 U	25 U	26 U	24 U	23 U	24 U	25 U
AROCLOR-1221	19 U	19 U	18 U	19 U	20 U	18 U	17 U	19 U	19 U
AROCLOR-1232	16 U	16 U	16 U	16 U	17 U	16 U	15 U	16 U	17 U
AROCLOR-1242	15 U	15 U	15 U	15 U	16 U	15 U	14 U	15 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
AROCLOR-1260	20 UJ	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	54000 U	510 U	3700 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	100000 U	940 U	6800 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	2200000	18000	140000
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	54000 U	510 U	3700 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	440 U	4.1 U	30 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	9600000	140000	830000
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	13000 U	120 U	870 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	130000 U	1200 U	8700 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	120000 J	1600 J	6200 J
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	12000 U	37000	38000 J
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	57000 U	530 U	3800 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	130000 J	17000	28000 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	59000 U	560 U	4000 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	110000 U	1000 U	7500 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	110000 U	1000 UR	7500 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	51000 U	480 U	3500 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	25000 U	240 U	1700 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	12000 U	120 U	840 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	120000 U	1200 U	8400 U
ACETONE	NA	NA	NA	NA	NA	NA	800000 B	4100 U	30000 U
BENZENE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	33000 U	310 U	2300 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	33000 U	310 U	2300 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	25000 U	240 U	1700 U
BROMOFORM	NA	NA	NA	NA	NA	NA	49000 U	460 U	3300 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	75000 U	700 U	5100 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	16000 U	1500 J	1100 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	160000 U	1500 U	11000 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	23000 U	210 U	1500 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	18000 U	170 U	1200 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	20000 U	190 U	1400 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	130000 U	1200 U	8700 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	570 U	5.3 U	38 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	14000 U	130 U	940 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	18000 UJ	170 U	1200 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	360000 B	1900 U	13000 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	140000 B	160 U	1200 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	21000 U	2900 J	1400 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
O-XYLENE	NA	NA	NA	NA	NA	NA	22000 U	210 U	1500 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	12000 U	380 J	820 U
STYRENE	NA	NA	NA	NA	NA	NA	14000 U	140 U	980 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	950 UJ	8.9 U	64 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	7200000 B	5800 UR	42000 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
TOLUENE	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	24000 U	220 U	1600 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	51000 U	480 U	3500 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	25000 U	230 U	1700 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	59000 U	560 U	4000 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	72000 U	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	31000 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	82000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	65000 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	65000 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	59000 U	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	55000 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	85000 U	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	39000 U	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	72000 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	6500 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	62000 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	33000 U	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	120000 U	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	55000 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	49000 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	6900 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	29000 U	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	7200 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	100 U	200 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	27000	100 U	200 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	28000	100 U	200 U
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	39347	401	200 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	33242	340	200 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	35000	100 U	200 U
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	27000	290	200 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	27000	500	200 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	42000	470	68 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	81000	660	200 U
FLUORENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	310	460
PHENANTHRENE	NA	NA	NA	NA	NA	NA	88000	360	200 U
PYRENE	NA	NA	NA	NA	NA	NA	60000	520	200 U
TOTAL PAHS	NA	NA	NA	NA	NA	NA	415000	3110	460
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	29 U	28 U	25 U	25 U	24 U	1400000 U	260000 U	260000 U
AROCLOR-1221	18 U	22 U	21 U	19 U	19 U	18 U	1000000 U	200000 U	200000 U
AROCLOR-1232	16 U	20 U	18 U	16 U	17 U	16 U	910000 U	170000 U	170000 U
AROCLOR-1242	15 U	18 U	17 U	15 U	15 U	15 U	850000 U	160000 U	160000 U
AROCLOR-1248	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1254	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1260	63	24 U	22 U	330	140	20 U	24000000	510000	2000000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	63	0 U	0 U	330	140	0 U	24000000	510000	2000000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	0.61 J	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	6.2	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	1.3	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	0.011 B	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	3.2	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	5.3	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	4.3	NA	NA
IRON	NA	NA	NA	NA	NA	NA	10900	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	1.7	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	13.6	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	8.6	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	0.59 J	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	0.017 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	3	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	43.7	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	28000000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	630 J	140000 J	170000 J
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.45 U	0.53 U	0.49 U	0.56 U	0.53 U	0.54 U	0.58 U	0.48 U	0.51 U
1,1,1-TRICHLOROETHANE	0.41 U	0.48 U	0.44 U	0.51 U	0.48 U	0.49 U	0.53 U	0.43 U	0.46 U
1,1,2,2-TETRACHLOROETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.94 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
1,1-DICHLOROETHENE	0.38 U	0.45 U	0.41 U	0.47 U	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U
1,1-DICHLOROPROPENE	0.22 U	0.26 U	0.24 U	0.27 U	0.26 U	0.26 U	0.28 U	0.23 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.28 U	2.2 J	2.1 J	0.34 U	0.33 U	0.33 U	0.36 U	0.29 U	0.31 U
1,2,3-TRICHLOROPROPANE	0.65 U	0.78 U	0.71 U	0.81 U	0.78 U	0.78 U	0.84 U	0.69 U	0.74 U
1,2,3-TRIMETHYLBENZENE	0.12 U	0.69 B	0.13 U	0.71 B	0.15 U	0.15 U	0.16 U	0.61 B	0.14 U
1,2,4-TRICHLOROBENZENE	0.69 B	12	11	1.4 B	0.66 B	0.94 B	0.79 B	0.49 B	0.57 B
1,2,4-TRIMETHYLBENZENE	0.47 U	0.56 U	0.51 U	0.59 U	0.56 U	0.56 U	0.61 U	0.5 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	0.94 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.36 U	0.43 U	0.39 U	0.45 U	0.43 U	0.43 U	0.47 U	0.38 U	0.41 U
1,2-DICHLOROBENZENE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
1,2-DICHLOROETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,2-DICHLOROPROPANE	0.5 U	0.59 U	0.54 U	0.62 U	0.59 U	0.6 U	0.65 U	0.53 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.25 U	0.39 J	0.5 J	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U
1,3-DICHLOROPROPANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.48 U	0.57 U	0.52 U	0.6 U	0.57 U	0.57 U	0.62 U	0.51 U	0.55 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.68 U	0.81 U	0.74 U	0.85 U	0.81 U	0.82 U	0.88 U	0.72 U	0.78 U
2-BUTANONE	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.29 U	0.34 U	0.31 U	0.36 U	0.34 U	0.35 U	0.38 U	0.31 U	0.33 U
2-HEXANONE	0.46 U	0.54 U	0.49 U	0.57 U	0.54 U	0.55 U	0.59 U	0.48 U	0.52 U
4-CHLOROTOLUENE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
4-ISOPROPYLTOLUENE	0.15 U	0.18 U	0.16 U	0.19 U	0.18 U	0.18 U	0.2 U	0.16 U	0.17 U
4-METHYL-2-PENTANONE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
ACETONE	4.8 B	5.4 U	5.4 B	7.3 B	5.4 U	8 B	5.9 U	4.8 U	5.9 B
BENZENE	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U
BROMOBENZENE	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
BROMOCHLOROMETHANE	0.51 U	0.61 U	0.56 U	0.64 U	0.61 U	0.62 U	0.67 U	0.54 U	0.59 U
BROMODICHLOROMETHANE	0.2 U	0.24 U	0.22 U	0.25 U	0.24 U	0.24 U	0.26 U	0.21 U	0.23 U
BROMOFORM	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
BROMOMETHANE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
CARBON DISULFIDE	0.32 U	0.38 U	0.35 U	0.4 U	0.38 U	0.38 U	0.41 U	0.34 U	0.36 U
CARBON TETRACHLORIDE	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U
CHLOROBENZENE	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
CHLORODIBROMOMETHANE	0.4 U	0.47 U	0.43 U	0.5 U	0.47 U	0.48 U	0.52 U	0.42 U	0.45 U
CHLOROETHANE	0.62 U	0.74 U	0.67 U	0.78 U	0.74 U	0.75 U	0.81 U	0.66 U	0.71 U
CHLOROFORM	0.21 U	0.25 U	0.23 U	0.26 U	0.25 U	0.25 U	0.27 U	0.22 U	0.24 U
CHLOROMETHANE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
DIBROMOMETHANE	0.46 U	0.54 U	0.49 U	0.57 U	0.54 U	0.55 U	0.59 U	0.48 U	0.52 U
DICHLORODIFLUOROMETHANE	0.36 U	0.43 U	0.39 U	0.45 U	0.43 U	0.43 U	0.47 U	0.38 U	0.41 U
DIISOPROPYL ETHER	1.1 U	1.3 U	1.2 U	1.4 U	1.3 U	1.3 U	1.4 U	1.1 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.16 U	0.19 U	0.17 U	0.2 U	0.19 U	0.19 U	0.21 U	0.17 U	0.18 U
ETHYLBENZENE	0.19 U	0.22 U	0.2 U	0.24 U	0.22 U	0.23 U	0.24 U	0.2 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U
ISOPROPYLBENZENE	0.12 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.12 U	0.13 U
M+P-XYLENES	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U
METHYL TERT-BUTYL ETHER	0.31 U	0.37 U	0.34 U	0.39 U	0.37 U	0.37 U	0.4 U	0.33 U	0.36 U
METHYLENE CHLORIDE	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U
NAPHTHALENE	0.14 U	0.16 U	0.15 U	0.17 U	0.16 U	0.17 U	0.18 U	0.15 U	0.16 U
N-BUTYLBENZENE	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.29 U	0.34 U	0.31 U	0.36 U	0.34 U	0.35 U	0.38 U	0.31 U	0.33 U
O-XYLENE	0.25 U	0.3 U	0.27 U	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U
SEC-BUTYLBENZENE	0.13 U	0.16 U	0.14 U	0.16 U	0.16 U	0.16 U	0.17 U	0.14 U	0.15 U
STYRENE	0.11 U	0.13 U	0.12 U	0.14 U	0.13 U	0.13 U	0.14 U	0.11 U	0.12 U
TERT-AMYL METHYL ETHER	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U
TERT-BUTYLBENZENE	0.21 U	0.25 U	0.23 U	0.26 U	0.25 U	0.25 U	0.27 U	0.22 U	0.24 U
TERTIARY-BUTYL ALCOHOL	5.5 UR	6.6 UR	6 UR	6.9 UR	6.5 UR	6.6 UR	7.1 UR	5.8 UR	6.3 UR
TETRACHLOROETHENE	0.38 U	0.45 U	0.41 U	0.49 J	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U
TOLUENE	0.2 U	0.23 U	0.21 U	0.24 U	0.23 U	0.23 U	0.25 U	0.21 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U
TRANS-1,2-DICHLOROETHENE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
TRICHLOROETHENE	0.3 U	0.36 U	0.33 U	0.38 U	0.36 U	0.36 U	0.39 U	0.32 U	0.35 U
TRICHLOROFLUOROMETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
VINYL ACETATE	0.18 U	0.22 U	0.2 U	0.23 U	0.22 U	0.22 U	0.23 U	0.19 U	0.21 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
VINYL CHLORIDE	0.28 U	0.34 U	0.31 U	0.35 U	0.34 U	0.34 U	0.37 U	0.3 U	0.32 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
2-METHYLNAPHTHALENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ACENAPHTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ACENAPHTHYLENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BAP EQUIVALENT-HALFND	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BAP EQUIVALENT-POS	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(A)ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(A)PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(B)FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(K)FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
FLUORENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
INDENO(1,2,3-CD)PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
NAPHTHALENE	31	43	200	65	230	3.9 U	4 U	4.1 U	4 U
PHENANTHRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
TOTAL PAHS	31	43	200	65	230	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	26 U	24 U	130 U	24 U	25 U	25 U	26 U	26 U
AROCLOR-1221	19 U	20 U	18 U	95 U	19 U	19 U	19 U	20 U	19 U
AROCLOR-1232	16 U	17 U	16 U	83 U	16 U	16 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	15 U	77 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1248	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U
AROCLOR-1254	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U
AROCLOR-1260	110	520	150	750	50	24 J	20 U	27 J	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	110	520	150	750	50	24	0 U	27	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 J	86 J	64 J	61 J	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.59 U	0.56 U	6.9 U	410 U	7.8 U	8 U	8.2 U	7.7 U	8.2 U
1,1,1-TRICHLOROETHANE	0.53 U	0.5 U	16 U	950 U	18 U	19 U	19 U	18 U	19 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.31 U	6.8 U	400 U	7.6 U	7.9 U	8.1 U	7.5 U	8 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	30 U	1800 U	34 U	34 U	35 U	33 U	35 U
1,1-DICHLOROETHANE	0.34 U	0.32 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U
1,1-DICHLOROETHENE	0.49 U	0.47 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U
1,1-DICHLOROPROPENE	0.29 U	0.27 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2,3-TRICHLOROBENZENE	0.6 J	65	11 B	52000 J	910 J	340 J	380 J	320 J	150 J
1,2,3-TRICHLOROPROPANE	0.86 U	0.81 U	16 U	950 U	18 U	19 U	19 U	18 U	19 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.72 B	30 J	7.7 U	34 J	0.15 U	36 J	0.14 U	0.15 U
1,2,4-TRICHLOROBENZENE	2.7 B	110 J	52 B	260000	4700	1500	1800	1500	720
1,2,4-TRIMETHYLBENZENE	0.62 U	0.59 U	3.8 U	230 U	4.3 U	4.4 U	4.5 U	4.2 U	4.5 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	38 U	2300 U	43 U	44 U	45 U	42 U	45 U
1,2-DIBROMOETHANE	0.48 U	0.45 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2-DICHLOROBENZENE	0.39 J	12	6.6 U	1900 J	110 J	57 J	81 J	71 J	42 J
1,2-DICHLOROETHANE	0.32 U	0.31 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2-DICHLOROPROPANE	0.66 U	0.62 U	6.2 U	370 U	7 U	7.2 U	7.4 U	6.9 U	7.4 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.33 U	0.32 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U
1,3-DICHLOROPROPANE	0.32 U	0.31 U	17 U	1000 U	19 U	19 U	20 U	19 U	20 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.63 U	14	8.2 J	2700 J	140 J	89 J	110 J	93 J	58 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.89 U	0.85 U	18 U	1000 U	20 U	20 U	21 U	19 U	21 U
2-BUTANONE	1.3 U	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U
2-CHLOROTOLUENE	0.38 U	0.36 U	6.9 U	410 U	7.7 U	7.9 U	8.2 U	7.6 U	8.1 U
2-HEXANONE	0.6 U	0.57 U	15 U	910 U	17 U	18 U	18 U	17 U	18 U
4-CHLOROTOLUENE	0.39 U	0.37 U	7.5 U	450 U	8.5 U	8.7 U	9 U	8.4 U	8.9 U
4-ISOPROPYLTOLUENE	0.2 U	0.19 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U
4-METHYL-2-PENTANONE	0.51 U	0.49 U	37 U	2200 U	41 U	42 U	44 U	41 U	43 U
ACETONE	6.2 B	7.1 B	240 B	16000 J	260 J	220 J	260 J	240 J	260 J
BENZENE	0.22 U	0.21 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
BROMOBENZENE	0.31 U	0.3 U	9.9 U	590 U	11 U	11 U	12 U	11 U	12 U
BROMOCHLOROMETHANE	0.67 U	0.64 U	9.9 U	590 U	11 U	11 U	12 U	11 U	12 U
BROMODICHLOROMETHANE	0.27 U	0.25 U	7.5 U	450 U	8.5 U	8.7 U	9 U	8.4 U	8.9 U
BROMOFORM	0.31 U	0.3 U	14 U	860 U	16 U	17 U	17 U	16 U	17 U
BROMOMETHANE	0.51 U	0.49 U	22 U	1300 U	25 U	26 U	26 U	25 U	26 U
CARBON DISULFIDE	0.42 U	0.4 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
CARBON TETRACHLORIDE	0.35 U	0.33 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U
CHLOROBENZENE	0.31 U	0.3 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U
CHLORODIBROMOMETHANE	0.52 U	0.5 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
CHLOROETHANE	0.82 U	0.77 U	46 U	2800 U	52 U	54 U	55 U	52 U	55 U
CHLOROFORM	0.28 U	0.26 U	6.7 U	400 U	7.6 U	7.8 U	8 U	7.5 U	7.9 U
CHLOROMETHANE	0.39 U	0.37 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
CIS-1,2-DICHLOROETHENE	0.34 U	0.32 U	5.3 U	310 U	5.9 U	6.1 U	6.3 U	5.8 U	6.2 U
CIS-1,3-DICHLOROPROPENE	0.32 U	0.31 U	6 U	360 U	6.8 U	7 U	7.2 U	6.7 U	7.1 U
DIBROMOMETHANE	0.6 U	0.57 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
DICHLORODIFLUOROMETHANE	0.48 U	0.45 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U
DIISOPROPYL ETHER	1.4 U	1.4 U	38 U	2300 U	43 U	44 U	45 U	42 U	45 U
ETHYL TERT-BUTYL ETHER	0.21 U	0.2 U	0.17 U	10 U	0.19 U	0.19 U	0.2 U	0.19 U	0.2 U
ETHYLBENZENE	0.25 U	0.23 U	4.1 U	250 U	4.6 U	4.8 U	4.9 U	4.6 U	4.9 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1.1 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
ISOPROPYLBENZENE	0.15 U	0.14 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U
M+P-XYLENES	1.1 U	1.1 U	4.7 U	280 U	5.3 U	5.5 U	5.6 U	5.3 U	5.6 U
METHYL TERT-BUTYL ETHER	0.41 U	0.39 U	5.4 U	320 U	6.1 U	6.3 U	6.4 U	6 U	6.4 U
METHYLENE CHLORIDE	0.64 U	0.6 U	59 U	4800 J	66 U	68 U	70 U	110 J	69 U
NAPHTHALENE	0.18 U	0.17 U	5.1 U	300 U	5.8 U	5.9 U	6.1 U	5.7 U	6 U
N-BUTYLBENZENE	0.22 U	0.21 U	6.1 U	360 U	6.9 U	7.1 U	7.3 U	6.8 U	7.2 U
N-PROPYLBENZENE	0.38 U	0.36 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
O-XYLENE	0.33 U	0.32 U	6.5 U	390 U	7.3 U	7.5 U	7.7 U	7.2 U	7.7 U
SEC-BUTYLBENZENE	0.17 U	0.16 U	3.6 U	210 U	4 U	4.1 U	4.3 U	4 U	4.2 U
STYRENE	0.14 U	0.14 U	4.3 U	250 U	4.8 U	4.9 U	5.1 U	4.7 U	5 U
TERT-AMYL METHYL ETHER	0.35 U	0.33 U	0.28 U	17 U	0.32 U	0.33 U	0.34 U	0.31 U	0.33 U
TERT-BUTYLBENZENE	0.28 U	0.26 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U
TERTIARY-BUTYL ALCOHOL	7.2 UR	6.8 UR	310 J	11000 UR	210 UR	210 UR	220 UR	200 UR	220 UR
TETRACHLOROETHENE	0.49 U	0.47 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
TOLUENE	0.26 U	0.24 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.64 U	0.6 U	6.2 U	370 U	7 U	7.1 U	7.3 U	6.9 U	7.3 U
TRANS-1,2-DICHLOROETHENE	0.39 U	0.37 U	7 U	420 U	7.9 U	8.1 U	8.3 U	7.8 U	8.3 U
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.49 U	15 U	910 U	17 U	18 U	18 U	17 U	18 U
TRICHLOROETHENE	0.4 U	0.38 U	7.4 U	440 U	8.3 U	8.6 U	8.8 U	8.2 U	8.7 U
TRICHLOROFLUOROMETHANE	0.32 U	0.31 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U
VINYL ACETATE	0.24 U	0.23 U	18 U	1000 U	20 U	20 U	21 U	19 U	21 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
VINYL CHLORIDE	0.37 U	0.35 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
2-METHYLNAPHTHALENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ACENAPHTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ACENAPHTHYLENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BAP EQUIVALENT-HALFND	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BAP EQUIVALENT-POS	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(A)ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(A)PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(B)FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(K)FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.4 U	26 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
FLUORENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
INDENO(1,2,3-CD)PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
NAPHTHALENE	4.2 U	62	19	77 U	3.9 U	3.9 U	17	4.1 U	4.1 U
PHENANTHRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
TOTAL PAHS	0 U	62	19	0 U	0 U	0 U	17	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	25 U	27 U	12000 U	2500 U	25 U	260 U	26 U	260 U
AROCLOR-1221	20 U	19 U	21 U	9300 U	1900 U	19 U	200 U	20 U	200 U
AROCLOR-1232	18 U	17 U	18 U	8100 U	1700 U	17 U	170 U	17 U	180 U
AROCLOR-1242	16 U	15 U	17 U	7600 U	1600 U	15 U	160 U	16 U	160 U
AROCLOR-1248	22 U	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U
AROCLOR-1254	22 U	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U
AROCLOR-1260	22 U	48	22 U	180000	27000	250	2300	100	1000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	48	0 U	180000	27000	250	2300	100	1000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	1900000 J	7600 J	3300 U	3400 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	56 J	55 U	55 U	56 U	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.45 U	0.54 U	0.52 U	0.47 U	10 U	0.55 U	170 U	130 U	0.57 U
1,1,1-TRICHLOROETHANE	0.41 U	0.49 U	0.47 U	0.42 U	24 U	0.5 U	400 U	310 U	0.52 U
1,1,2,2-TETRACHLOROETHANE	0.25 U	0.3 U	0.29 U	0.26 U	10 U	0.3 U	170 U	130 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.95 U	1.1 U	1.1 U	0.98 U	44 U	1.2 U	740 U	580 U	1.2 U
1,1-DICHLOROETHANE	0.26 U	0.31 U	0.3 U	0.27 U	19 U	0.32 U	320 U	250 U	0.33 U
1,1-DICHLOROETHENE	0.38 U	0.45 U	0.44 U	0.39 U	20 U	0.46 U	340 U	270 U	0.48 U
1,1-DICHLOROPROPENE	0.22 U	0.26 U	0.25 U	0.23 U	11 U	0.27 U	190 U	150 U	0.28 U
1,2,3-TRICHLOROBENZENE	2 J	4.1 J	0.32 U	5.9	180 J	19 J	21000 J	11000 J	0.35 U
1,2,3-TRICHLOROPROPANE	0.66 U	0.78 U	0.76 U	0.68 U	24 U	0.8 U	400 U	310 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.12 U	0.68 B	0.14 U	0.6 B	0.19 U	0.15 U	3.2 U	2.5 U	0.16 U
1,2,4-TRICHLOROBENZENE	7.5	21	0.67 B	38	970	96	110000	66000	1.1 B
1,2,4-TRIMETHYLBENZENE	0.47 U	0.57 U	0.55 U	0.49 U	5.7 U	0.58 U	94 U	74 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	0.95 U	1.1 U	1.1 U	0.98 U	57 U	1.2 U	940 U	740 U	1.2 U
1,2-DIBROMOETHANE	0.36 U	0.43 U	0.42 U	0.38 U	11 U	0.45 U	190 U	150 U	0.46 U
1,2-DICHLOROBENZENE	0.26 U	2.1 J	0.6 J	3.2 J	44 J	5.3	910 J	430 J	0.33 U
1,2-DICHLOROETHANE	0.25 U	0.3 U	0.29 U	0.26 U	11 U	0.3 U	190 U	150 U	0.31 U
1,2-DICHLOROPROPANE	0.5 U	0.6 U	0.58 U	0.52 U	9.3 U	0.62 U	150 U	120 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.51 J	13	4.3	31	160 J	5.9	2600 J	3300 J	0.32 U
1,3-DICHLOROPROPANE	0.25 U	0.3 U	0.29 U	0.26 U	25 U	0.3 U	410 U	330 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.6 J	38	18	30	140 J	9.9	2900 J	2300 J	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.68 U	0.82 U	0.79 U	0.71 U	26 U	0.84 U	430 U	340 U	0.86 U
2-BUTANONE	1 U	1.2 U	1.2 U	1.1 U	49 U	1.3 U	810 U	640 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1 U	1.2 U	1.2 U	1.1 U	49 UR	1.3 U	810 U	640 U	1.3 U
2-CHLOROTOLUENE	0.29 U	0.35 U	0.34 U	0.3 U	10 U	0.36 U	170 U	130 U	0.37 U
2-HEXANONE	0.46 U	0.55 U	0.53 U	0.47 U	23 U	0.56 U	380 U	300 U	0.58 U
4-CHLOROTOLUENE	0.3 U	0.36 U	0.34 U	0.31 U	11 U	0.37 U	190 U	150 U	0.38 U
4-ISOPROPYLTOLUENE	0.15 U	0.18 U	0.18 U	0.16 U	5.4 U	0.19 U	91 U	71 U	0.19 U
4-METHYL-2-PENTANONE	0.39 U	0.47 U	0.45 U	0.41 U	54 U	0.48 U	910 U	710 U	0.5 U
ACETONE	11 B	7.2 B	15 B	5 B	190 U	6.6 B	4500 B	3600 B	24 B
BENZENE	0.17 U	0.4 J	0.34 J	0.33 J	14 U	0.21 U	230 U	180 U	0.21 U
BROMOBENZENE	0.24 U	0.29 U	0.28 U	0.25 U	15 U	0.29 U	250 U	190 U	0.3 U
BROMOCHLOROMETHANE	0.52 U	0.62 U	0.6 U	0.54 U	15 U	0.63 U	250 U	190 U	0.65 U
BROMODICHLOROMETHANE	0.2 U	0.24 U	0.24 U	0.21 U	11 U	0.25 U	190 U	150 U	0.26 U
BROMOFORM	0.24 U	0.29 U	0.28 U	0.25 U	22 U	0.29 U	360 U	280 U	0.3 U
BROMOMETHANE	0.39 U	0.47 U	0.45 U	0.41 U	33 U	0.48 U	550 U	430 U	0.5 U
CARBON DISULFIDE	0.32 U	0.38 U	0.37 U	0.33 U	14 U	0.39 U	230 U	180 U	0.4 U
CARBON TETRACHLORIDE	0.27 U	0.88 J	0.31 U	0.28 U	7.3 U	0.33 U	120 U	95 U	0.34 U
CHLOROBENZENE	39	120	170	51	52 J	2 J	210 J	120 J	0.3 U
CHLORODIBROMOMETHANE	0.4 U	0.48 U	0.46 U	0.41 U	14 U	0.49 U	230 U	180 U	0.51 U
CHLOROETHANE	0.63 U	0.75 U	0.72 U	0.65 U	69 U	0.77 U	1200 U	900 U	0.79 U
CHLOROFORM	0.21 U	0.25 U	0.24 U	0.22 U	10 U	0.26 U	170 U	130 U	0.27 U
CHLOROMETHANE	0.3 U	0.36 U	0.34 U	0.31 U	16 U	0.37 U	260 U	210 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.26 U	0.31 U	0.3 U	0.27 U	7.8 U	0.57 J	130 U	100 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.25 U	0.3 U	0.29 U	0.26 U	9 U	0.3 U	150 U	120 U	0.31 U
DIBROMOMETHANE	0.46 U	0.55 U	0.53 U	0.47 U	16 U	0.56 U	260 U	210 U	0.58 U
DICHLORODIFLUOROMETHANE	0.36 U	0.43 U	0.42 U	0.38 U	18 U	0.45 U	300 U	240 U	0.46 U
DIISOPROPYL ETHER	1.1 U	1.3 U	1.3 U	1.1 U	57 U	1.3 U	940 U	740 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.16 U	0.19 U	0.19 U	0.17 U	0.25 U	0.2 U	4.1 U	3.3 U	0.2 U
ETHYLBENZENE	0.19 U	0.23 U	0.22 U	0.2 U	6.1 U	0.23 U	100 U	80 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.87 U	1 U	1 U	0.9 U	16 U	1.1 U	260 U	210 U	1.1 U
ISOPROPYLBENZENE	0.12 U	0.14 U	0.13 U	0.12 U	7.4 U	0.14 U	120 U	96 U	0.15 U
M+P-XYLENES	0.87 U	1 U	1 U	0.9 U	7 U	1.1 U	120 U	92 U	1.1 U
METHYL TERT-BUTYL ETHER	0.31 U	0.37 U	0.36 U	0.32 U	8.1 U	0.38 U	130 U	110 U	0.4 U
METHYLENE CHLORIDE	0.49 U	0.58 U	0.56 U	0.5 U	87 U	0.6 U	1500 U	1100 U	0.62 U
NAPHTHALENE	0.14 U	0.17 U	0.16 U	0.14 U	7.6 U	0.17 U	130 U	99 U	0.17 U
N-BUTYLBENZENE	0.17 U	0.2 U	0.19 U	0.17 U	9.1 U	0.21 U	150 U	120 U	0.21 U
N-PROPYLBENZENE	0.29 U	0.35 U	0.34 U	0.3 U	16 U	0.36 U	260 U	210 U	0.37 U
O-XYLENE	0.25 U	0.3 U	0.29 U	0.26 U	9.6 U	0.31 U	160 U	130 U	0.32 U
SEC-BUTYLBENZENE	0.13 U	0.16 U	0.15 U	0.14 U	5.3 U	0.16 U	89 U	70 U	0.17 U
STYRENE	0.11 U	0.13 U	0.13 U	0.11 U	6.4 U	0.13 U	110 U	83 U	0.14 U
TERT-AMYL METHYL ETHER	0.27 U	0.32 U	0.31 U	0.28 U	0.42 U	0.33 U	7 U	5.5 U	0.34 U
TERT-BUTYLBENZENE	0.21 U	0.25 U	0.24 U	0.22 U	7.4 U	0.26 U	120 U	96 U	0.27 U
TERTIARY-BUTYL ALCOHOL	5.5 UR	6.6 UR	6.4 UR	5.7 UR	270 UR	6.8 UR	4500 UR	3600 UR	7 UR
TETRACHLOROETHENE	0.38 U	2.6 J	0.44 U	0.69 J	14 U	2.2 J	230 U	180 U	0.48 U
TOLUENE	0.2 U	0.23 U	0.23 U	0.2 U	19 U	0.24 U	320 U	270 J	0.38 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.49 U	0.58 U	0.56 U	0.5 U	9.2 U	0.6 U	150 U	120 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.3 U	0.36 U	0.34 U	0.31 U	10 U	0.37 U	170 U	140 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.39 U	0.47 U	0.45 U	0.41 U	23 U	0.48 U	380 U	300 U	0.5 U
TRICHLOROETHENE	0.31 U	2.2 J	0.35 U	0.32 J	11 U	0.59 J	180 U	140 U	0.39 U
TRICHLOROFLUOROMETHANE	0.25 U	0.3 U	0.29 U	0.26 U	18 U	0.3 U	300 U	240 U	0.31 U
VINYL ACETATE	0.18 U	0.22 U	0.21 U	0.19 U	26 U	0.22 U	430 U	340 U	0.23 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
VINYL CHLORIDE	0.28 U	0.34 U	0.33 U	0.29 U	20 U	0.35 U	340 U	270 U	0.36 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
2-METHYLNAPHTHALENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ACENAPHTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ACENAPHTHYLENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
BAP EQUIVALENT-HALFND	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	177	3.8 U
BAP EQUIVALENT-POS	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	155	3.8 U
BENZO(A)ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	190	3.8 U
BENZO(A)PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	120	3.8 U
BENZO(B)FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	160	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	84	3.8 U
BENZO(K)FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	120	1.3 U
DIBENZO(A,H)ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	91	240	3.8 U
FLUORENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
INDENO(1,2,3-CD)PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
NAPHTHALENE	4.2 U	4 U	3.9 U	23	3.8 U	4 U	40 U	39 U	3.8 U
PHENANTHRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	110	220	3.8 U
TOTAL PAHS	0 U	0 U	0 U	23	0 U	0 U	201	1134	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	26 U	25 U	25 U	24 U	26 U	25000 U	25000 U	24 U
AROCLOR-1221	20 U	20 U	19 U	19 U	19 U	20 U	19000 U	19000 U	19 U
AROCLOR-1232	18 U	17 U	17 U	16 U	16 U	17 U	17000 U	17000 U	16 U
AROCLOR-1242	17 U	16 U	15 U	15 U	15 U	16 U	16000 U	15000 U	15 U
AROCLOR-1248	22 U	21 U	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U
AROCLOR-1254	22 U	21 U	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U
AROCLOR-1260	83	77	20 U	20 U	20 U	21 U	220000	350000	160
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	83	77	0 U	0 U	0 U	0 U	220000	350000	160
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	460000 K	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	1600 J	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.51 U	0.51 U	7.4 U	160 U	8.9 U	44 U	11 U	8.2 U	830 U
1,1,1-TRICHLOROETHANE	0.46 U	0.46 U	17 U	370 U	21 U	100 U	25 U	19 U	1900 U
1,1,2,2-TETRACHLOROETHANE	0.28 U	0.28 U	7.2 U	160 U	8.7 U	43 U	11 U	8 U	810 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U	32 U	700 U	38 U	190 U	47 U	35 U	3600 U
1,1-DICHLOROETHANE	0.29 U	0.3 U	14 U	300 U	17 U	82 U	20 U	15 U	1600 U
1,1-DICHLOROETHENE	0.43 U	0.43 U	15 U	320 U	18 U	87 U	22 U	16 U	1600 U
1,1-DICHLOROPROPENE	0.25 U	0.25 U	8.1 U	180 U	9.8 U	48 U	12 U	9 U	920 U
1,2,3-TRICHLOROBENZENE	0.31 U	0.31 U	89 J	22000 J	370 J	5800	420 J	230 J	77000 J
1,2,3-TRICHLOROPROPANE	0.74 U	0.75 U	17 U	370 U	21 U	100 U	25 U	19 U	1900 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	33 J	3 U	0.17 U	0.82 U	49 J	0.15 U	16 U
1,2,4-TRICHLOROBENZENE	1.1 B	0.46 B	520	120000 J	1700 J	28000	1900	1000	410000 J
1,2,4-TRIMETHYLBENZENE	0.53 U	0.54 U	4.1 U	89 U	4.9 U	24 U	6 U	4.5 U	460 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U	41 U	890 U	49 U	240 U	60 U	45 U	4600 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	8.1 U	180 U	9.8 U	48 U	12 U	9 U	920 U
1,2-DICHLOROBENZENE	0.29 U	0.3 U	7 U	1100 J	68 J	180 J	42 J	22 J	3000 J
1,2-DICHLOROETHANE	0.28 U	0.28 U	8.1 U	180 U	9.8 U	51 J	12 U	9 U	920 U
1,2-DICHLOROPROPANE	0.56 U	0.57 U	6.7 U	150 U	8.1 U	39 U	9.9 U	7.4 U	750 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.29 U	0.29 U	18 J	86 U	4.7 U	23 U	5.8 U	4.3 U	440 U
1,3-DICHLOROPROPANE	0.28 U	0.28 U	18 U	390 U	22 U	110 U	27 U	20 U	2000 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.54 U	0.55 U	20 J	1500 J	98 J	250 J	67 J	27 J	4300 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.77 U	0.78 U	19 U	410 U	23 U	110 U	28 U	21 U	2100 U
2-BUTANONE	1.1 U	1.2 U	35 U	770 U	71 J	210 U	52 U	110 J	3900 U
2-CHLOROETHYL VINYL ETHER	1.1 U	1.2 U	35 U	770 UJ	42 UJ	210 U	52 U	39 U	3900 UJ
2-CHLOROTOLUENE	0.33 U	0.33 U	7.3 U	160 U	8.8 U	43 U	11 U	8.1 U	820 U
2-HEXANONE	0.52 U	0.52 U	16 U	360 U	20 U	96 U	24 U	18 U	1800 U
4-CHLOROTOLUENE	0.34 U	0.34 U	8 U	180 U	9.7 U	48 U	12 U	8.9 U	910 U
4-ISOPROPYLTOLUENE	0.17 U	0.17 U	3.9 U	86 U	4.7 U	23 U	5.8 U	4.3 U	440 U
4-METHYL-2-PENTANONE	0.44 U	0.45 U	39 U	860 U	47 U	230 U	58 U	43 U	4400 U
ACETONE	17 B	5.2 U	200 B	3000 UJ	170 UJ	1100 B	280 B	190 B	16000 UJ
BENZENE	0.19 U	0.19 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
BROMOBENZENE	0.27 U	0.27 U	11 U	230 U	13 U	63 U	16 U	12 U	1200 U
BROMOCHLOROMETHANE	0.58 U	0.59 U	11 U	230 U	13 U	63 U	16 U	12 U	1200 U
BROMODICHLOROMETHANE	0.23 U	0.23 U	8 U	180 U	9.7 U	48 U	12 U	8.9 U	910 U
BROMOFORM	0.27 U	0.27 U	15 U	340 U	19 U	91 U	23 U	17 U	1700 U
BROMOMETHANE	0.44 U	0.45 U	24 U	520 U	28 U	140 U	35 U	26 U	2700 U
CARBON DISULFIDE	0.36 U	0.36 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
CARBON TETRACHLORIDE	0.3 U	0.31 U	5.2 U	110 U	6.3 U	31 U	7.7 U	5.8 U	590 U
CHLOROBENZENE	0.27 U	0.27 U	5.2 U	110 U	6.3 U	31 U	7.7 U	12 J	4000 J
CHLORODIBROMOMETHANE	0.45 U	0.46 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
CHLOROETHANE	0.7 U	0.71 U	50 U	1100 U	60 U	290 U	74 U	55 U	5600 U
CHLOROFORM	0.24 U	0.24 U	7.1 U	160 U	8.6 U	42 U	11 U	7.9 U	810 U
CHLOROMETHANE	0.34 U	0.34 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
CIS-1,2-DICHLOROETHENE	0.29 U	0.3 U	5.6 U	120 U	6.8 U	33 U	8.3 U	6.2 U	630 U
CIS-1,3-DICHLOROPROPENE	0.28 U	0.28 U	6.4 U	140 U	7.8 U	38 U	9.5 U	7.1 U	720 U
DIBROMOMETHANE	0.52 U	0.52 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
DICHLORODIFLUOROMETHANE	0.41 U	0.41 U	13 U	290 U	16 U	77 U	19 U	14 U	1500 U
DIISOPROPYL ETHER	1.2 U	1.2 U	41 U	890 U	49 U	240 U	60 U	45 U	4600 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.18 U	0.18 U	3.9 U	0.22 U	1.1 U	0.27 U	0.2 U	20 U
ETHYLBENZENE	0.21 U	0.22 U	4.4 U	96 U	5.3 U	26 U	6.5 U	4.9 U	490 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.98 U	0.99 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
ISOPROPYLBENZENE	0.13 U	0.13 U	5.3 U	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U
M+P-XYLENES	0.98 U	0.99 U	5 U	110 U	6.1 U	30 U	14 J	5.6 U	570 U
METHYL TERT-BUTYL ETHER	0.35 U	0.36 U	5.8 U	130 U	7 U	34 U	8.6 U	6.4 U	650 U
METHYLENE CHLORIDE	0.55 U	0.56 U	62 U	1400 U	76 U	370 U	93 U	69 U	9000 B
NAPHTHALENE	0.16 U	0.16 U	5.4 U	120 U	6.6 U	32 U	8.1 U	6 U	610 U
N-BUTYLBENZENE	0.19 U	0.19 U	6.5 U	140 U	7.9 U	38 U	9.6 U	7.2 U	730 U
N-PROPYLBENZENE	0.33 U	0.33 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
O-XYLENE	0.29 U	0.29 U	6.9 U	150 U	8.3 U	41 U	10 U	7.7 U	780 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	3.8 U	84 U	4.6 U	23 U	5.7 U	4.2 U	430 U
STYRENE	0.12 U	0.12 U	4.5 U	100 U	5.5 U	27 U	6.7 U	5.1 U	510 U
TERT-AMYL METHYL ETHER	0.3 U	0.31 U	0.3 U	6.6 U	0.36 U	1.8 U	0.45 U	0.33 U	34 U
TERT-BUTYLBENZENE	0.24 U	0.24 U	5.3 U	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U
TERTIARY-BUTYL ALCOHOL	6.2 UR	6.3 UR	620 J	4300 UR	240 UR	1200 UR	1200 J	720 J	22000 UR
TETRACHLOROETHENE	0.43 U	0.43 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
TOLUENE	0.27 J	0.33 J	16 J	300 U	17 U	82 U	48 J	16 J	1600 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.55 U	0.56 U	6.6 U	140 U	8 U	39 U	14 J	7.3 U	740 U
TRANS-1,2-DICHLOROETHENE	0.34 U	0.34 U	7.5 U	160 U	9 U	44 U	11 U	8.3 U	840 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	0.45 U	16 U	360 U	20 U	96 U	24 U	18 U	1800 U
TRICHLOROETHENE	0.34 U	0.35 U	7.9 U	170 U	9.5 U	47 U	12 U	8.8 U	890 U
TRICHLOROFLUOROMETHANE	0.28 U	0.28 U	13 U	290 U	16 U	77 U	19 U	14 U	1500 U
VINYL ACETATE	0.2 U	0.21 U	19 U	410 U	23 U	110 U	28 U	21 U	2100 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
VINYL CHLORIDE	0.32 U	0.32 U	15 U	320 U	18 U	87 U	22 U	16 U	1600 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
2-METHYLNAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ACENAPHTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ACENAPHTHYLENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
BAP EQUIVALENT-HALFND	4 U	3.9 U	4.1 U	39 U	3.9 U	142	3.9 U	4 U	38 U
BAP EQUIVALENT-POS	4 U	3.9 U	4.1 U	39 U	3.9 U	120	3.9 U	4 U	38 U
BENZO(A)ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	220	3.9 U	4 U	38 U
BENZO(A)PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	85	3.9 U	4 U	38 U
BENZO(B)FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	130	3.9 U	4 U	38 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
BENZO(K)FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.4 U	13 U	1.3 U	130	1.3 U	1.3 U	13 U
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	370	3.9 U	4 U	38 U
FLUORENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
INDENO(1,2,3-CD)PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
NAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
PHENANTHRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	190	3.9 U	4 U	38 U
PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	270	3.9 U	4 U	38 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	1395	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	26 U	120000 U	5000 U	25000 U	25 U	510 U	120000 U
AROCLOR-1221	19 U	19 U	20 U	94000 U	3800 U	19000 U	19 U	390 U	93000 U
AROCLOR-1232	17 U	16 U	17 U	82000 U	3300 U	16000 U	17 U	340 U	81000 U
AROCLOR-1242	16 U	15 U	16 U	76000 U	3100 U	15000 U	16 U	320 U	75000 U
AROCLOR-1248	20 U	20 U	21 U	100000 U	4000 U	20000 U	20 U	410 U	99000 U
AROCLOR-1254	20 U	20 U	21 U	100000 U	4000 U	20000 U	20 U	410 U	99000 U
AROCLOR-1260	39 J	70	180 J	970000	35000	270000	73	4500	700000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	39	70	180	970000	35000	270000	73	4500	700000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	310000 J	NA	590000 K	NA	7300 J	450000 J
GASOLINE RANGE ORGANICS	NA	NA	NA	110 J	NA	76 J	NA	56 UJ	5000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	0.59 U	0.48 U	0.58 U	0.54 U	0.53 U	0.58 U	0.59 U	0.57 U
1,1,1-TRICHLOROETHANE	0.53 U	0.44 U	0.52 U	0.48 U	0.48 U	0.52 U	0.54 U	0.52 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.34 U	0.35 U	0.33 U
1,1-DICHLOROETHENE	0.49 U	0.4 U	0.49 U	0.45 U	0.44 U	0.49 U	0.5 U	0.48 U
1,1-DICHLOROPROPENE	0.28 U	0.23 U	0.28 U	0.26 U	0.26 U	0.28 U	0.29 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.36 U	5.4	0.36 U	0.33 U	0.32 U	0.35 U	0.36 U	1.4 B
1,2,3-TRICHLOROPROPANE	0.85 U	0.7 U	0.84 U	0.78 U	0.77 U	0.84 U	0.86 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.61 B	0.16 U	0.68 B	0.14 U	0.16 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.98 B	25	0.68 B	0.68 B	0.23 U	0.25 U	0.51 B	5.9 J
1,2,4-TRIMETHYLBENZENE	0.62 U	0.51 U	0.61 U	0.56 U	0.55 U	0.61 U	0.62 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.47 U	0.39 U	0.47 U	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U
1,2-DICHLOROBENZENE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.34 U	0.35 U	0.33 U
1,2-DICHLOROETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,2-DICHLOROPROPANE	0.65 U	0.54 U	0.65 U	0.6 U	0.59 U	0.64 U	0.66 U	0.64 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.33 U	0.27 U	0.33 U	0.3 U	0.3 U	0.33 U	0.34 U	0.32 U
1,3-DICHLOROPROPANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.62 U	0.51 U	0.62 U	0.57 U	0.56 U	0.62 U	0.63 U	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.89 U	0.73 U	0.88 U	0.81 U	0.8 U	0.88 U	0.9 U	0.87 U
2-BUTANONE	1.3 U	1.1 U	1.3 U	1.2 U	1.5 J	1.3 U	1.3 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 UJ	1.1 U	1.3 U	1.2 U	1.2 UR	1.3 UR	1.3 UR	1.3 UR
2-CHLOROTOLUENE	0.38 U	0.31 U	0.37 U	0.35 U	0.34 U	0.37 U	0.38 U	0.37 U
2-HEXANONE	0.6 U	0.49 U	0.59 U	0.54 U	0.54 U	0.59 U	0.6 U	0.58 U
4-CHLOROTOLUENE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
4-ISOPROPYLTOLUENE	0.2 U	0.16 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
ACETONE	19 J	7.7 B	13 B	16 B	18 J	5.9 U	12 J	13 J
BENZENE	0.22 U	0.18 U	0.22 U	0.2 U	0.2 U	0.21 U	0.22 U	0.21 U
BROMOBENZENE	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
BROMOCHLOROMETHANE	0.67 U	0.55 U	0.67 U	0.61 U	0.61 U	0.66 U	0.68 U	0.66 U
BROMODICHLOROMETHANE	0.27 U	0.22 U	0.26 U	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U
BROMOFORM	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
BROMOMETHANE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
CARBON DISULFIDE	0.42 U	0.34 U	0.41 U	0.38 U	0.38 U	0.41 U	0.42 U	0.41 U
CARBON TETRACHLORIDE	0.35 U	0.29 U	0.35 U	0.32 U	0.32 U	0.35 U	0.35 U	0.34 U
CHLOROBENZENE	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
CHLORODIBROMOMETHANE	0.52 U	0.43 U	0.52 U	0.48 U	0.47 U	0.51 U	0.53 U	0.51 U
CHLOROETHANE	0.81 U	0.67 U	0.81 U	0.74 U	0.73 U	0.8 U	0.82 U	0.8 U
CHLOROFORM	0.27 U	0.23 U	0.27 U	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U
CHLOROMETHANE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.37 J	0.35 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
DIBROMOMETHANE	0.6 U	0.49 U	0.59 U	0.54 U	0.54 U	0.59 U	0.6 U	0.58 U
DICHLORODIFLUOROMETHANE	0.47 U	0.39 U	0.47 U	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.2 U	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.21 U	0.17 U	0.21 U	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U
ETHYLBENZENE	0.25 U	0.2 U	0.24 U	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	0.93 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.12 U	0.15 U	0.14 U	0.14 U	0.15 U	0.15 U	0.15 U
M+P-XYLENES	1.1 U	0.93 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.1 U
METHYL TERT-BUTYL ETHER	0.41 U	0.33 U	0.4 U	0.37 U	0.37 U	0.4 U	0.41 U	0.4 U
METHYLENE CHLORIDE	0.63 U	0.52 U	0.63 U	0.58 U	0.57 U	0.63 U	0.64 U	0.62 U
NAPHTHALENE	0.18 U	0.15 U	0.18 U	0.16 U	0.16 U	2.3 B	0.18 U	0.18 U
N-BUTYLBENZENE	0.22 U	0.18 U	0.22 U	0.2 U	0.2 U	0.21 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.38 U	0.31 U	0.37 U	0.35 U	0.34 U	0.37 U	0.38 U	0.37 U
O-XYLENE	0.33 U	0.27 U	0.33 U	0.3 U	0.3 U	0.33 U	0.34 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.14 U	0.17 U	0.16 U	0.15 U	0.17 U	0.17 U	0.17 U
STYRENE	0.14 U	0.12 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U
TERT-AMYL METHYL ETHER	0.35 U	0.29 U	0.35 U	0.32 U	0.32 U	0.35 U	0.35 U	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.23 U	0.27 U	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U
TERTIARY-BUTYL ALCOHOL	7.2 UR	5.9 UR	7.1 UR	6.6 UR	6.5 UR	11 J	10 J	7 J
TETRACHLOROETHENE	0.49 U	0.4 U	0.49 U	0.45 U	0.44 U	0.49 U	0.5 U	0.48 U
TOLUENE	0.29 J	0.21 J	0.39 J	0.25 J	0.32 J	0.25 U	0.41 J	0.36 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.63 U	0.52 U	0.63 U	0.58 U	0.57 U	0.63 U	0.64 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
TRICHLOROETHENE	0.4 U	0.33 U	0.39 U	0.36 U	0.36 U	0.39 U	0.4 U	0.39 U
TRICHLOROFLUOROMETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
VINYL ACETATE	0.24 U	0.19 U	0.23 U	0.22 U	0.21 UR	0.23 UR	0.24 UR	0.23 UR

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
VINYL CHLORIDE	0.37 U	0.3 U	0.37 U	0.34 U	0.33 U	0.36 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
2-METHYLNAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ACENAPHTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ACENAPHTHYLENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BAP EQUIVALENT-HALFND	4 U	3.8 U	4 U	4 U	40 U	267	60	16 U
BAP EQUIVALENT-POS	4 U	3.8 U	4 U	4 U	40 U	240	16	16 U
BENZO(A)ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BENZO(A)PYRENE	4 U	3.8 U	4 U	4 U	40 U	240	40 U	16 U
BENZO(B)FLUORANTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	160	16 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BENZO(K)FLUORANTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U	13 U	14 U	13 U	5.4 U
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
FLUORANTHENE	4 U	3.8 U	4 U	4 U	320	390	340	140
FLUORENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
NAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
PHENANTHRENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
PYRENE	4 U	3.8 U	4 U	4 U	110	210	160	70
TOTAL PAHS	0 U	0 U	0 U	0 U	430	840	660	210
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	51 U	120 U	51 U	25 U	26 U	26 U	130 U	130 U
AROCLOR-1221	39 U	93 U	39 U	19 U	19 U	20 U	97 U	98 U
AROCLOR-1232	34 U	81 U	34 U	17 U	17 U	17 U	85 U	85 U
AROCLOR-1242	32 U	75 U	32 U	16 U	16 U	16 U	79 U	79 U
AROCLOR-1248	41 U	99 U	41 U	20 U	21 U	21 U	100 U	100 U
AROCLOR-1254	41 U	99 U	41 U	20 U	21 U	21 U	100 U	100 U
AROCLOR-1260	240	860	590	73	210	80	370	430
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	240	860	590	73	210	80	370	430
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,1-TRICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2,2-TETRACHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2-TRICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,4-TRIMETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DIBROMOETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3,5-TRIMETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-BUTANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
2-CHLOROETHYL VINYL ETHER	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-CHLOROTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-HEXANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
4-CHLOROTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
4-ISOPROPYLTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
4-METHYL-2-PENTANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
ACETONE	NA	30 J	67 UJ	17 J	11 J	12 J	66 UJ
BENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOCHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMODICHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOFORM	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CARBON DISULFIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CARBON TETRACHLORIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLORODIBROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROFORM	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CIS-1,2-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CIS-1,3-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DIBROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DICHLORODIFLUOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
ISOPROPYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
M+P-XYLENES	NA	22 U	20 U	20 U	20 U	20 U	20 U
METHYL TERT-BUTYL ETHER	NA	7 U	7 U	7 U	7 U	7 U	7 U
METHYLENE CHLORIDE	NA	12 J	9 J	7 U	7 U	9 J	11 J
NAPHTHALENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
N-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
N-PROPYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
O-XYLENE	NA	22 U	20 U	20 U	20 U	20 U	20 U
SEC-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
STYRENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRANS-1,3-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRICHLOROFLUOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
VINYL ACETATE	NA	7 U	7 U	7 U	7 U	7 U	7 U

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VINYL CHLORIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	480 U	450 U	440 U	440 U	440 U	440 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4,5-TRICHLOROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2,4,6-TRICHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DICHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DIMETHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DINITROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2,4-DINITROTOLUENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,6-DINITROTOLUENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-CHLORONAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-CHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2-NITROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
3&4-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
3,3'-DICHLOROBENZIDINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
3-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	NA	1100 U	1000 U	1000 U	1000 U	1000 U	1000 U
4-BROMOPHENYL PHENYL ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLORO-3-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLOROANILINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLOROPHENYL PHENYL ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
4-NITROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
ACETOPHENONE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BIS(2-CHLOROETHYL)ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BUTYL BENZYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
CAPROLACTAM	NA	480 U	450 U	440 U	440 U	440 U	440 U
CARBAZOLE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIBENZOFURAN	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIETHYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIMETHYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DI-N-BUTYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DI-N-OCTYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROBENZENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROBUTADIENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROCYCLOPENTADIENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROETHANE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ISOPHORONE	NA	480 U	450 U	440 U	440 U	440 U	440 U
NITROBENZENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
N-NITROSODIPHENYLAMINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PENTACHLOROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
PHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ACENAPHTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ACENAPHTHYLENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BAP EQUIVALENT-HALFND	NA	480 U	450 U	440 U	440 U	440 U	440 U
BAP EQUIVALENT-POS	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(A)ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(A)PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(B)FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(K)FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIBENZO(A,H)ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
FLUORENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
INDENO(1,2,3-CD)PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
NAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PHENANTHRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1221	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1232	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1242	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1248	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1254	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1260	NA	72 U	67 U	67 U	66 U	65 U	66 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	3.6 UL	3.4 UL	3.3 UL	3.3 UL	3.3 UL	3.3 UL
ARSENIC	NA	5.5 L	1.8 L	2.1 L	0.87 L	1.5 L	1.6 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3.6	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
CADMIUM	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
CHROMIUM	NA	26 J	13 B	3.4 B	3.3 UJ	6.6 B	5.2 B
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	45	17	3.3 U	3.3 U	3.3 U	3.3 U
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	7.7	5	3.3 U	3.3 U	3.3 U	3.3 U
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	14	30	3.3 U	3.3 U	3.3 U	3.3 U
SELENIUM	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
SILVER	NA	3.6 UR	3.4 UR	3.3 UR	3.3 UR	3.3 UR	3.3 UR
THALLIUM	NA	2.9 U	2.7 U	2.7 U	2.6 U	2.6 U	2.6 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	79	76	33 U	33 U	33 U	33 U
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	29000 U	27000 U	27000 U	26000 U	26000 U	26000 U
GASOLINE RANGE ORGANICS	NA	140 U	130 U	130 U	130 U	490	4400
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	70	74	75	76	77	76
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
TOTAL ORGANIC CARBON	690 J	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	35 J	15 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	21 U	20 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	11 J	11 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	2	1 U
N-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	21 U	20 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	1 U	1 U	1 U	1 U	1 U	3	1 U
TRANS-1,2-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
VINYL CHLORIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1100 U	1000 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	531	450 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	0.052	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	50 J	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	52 J	450 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	57 J	450 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	159	0 U	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	3.5 UL	3.4 UL	NA	NA	NA	NA	NA	NA	NA
ARSENIC	4.9 L	2.4 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	27 J	14 B	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	17	15	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.5	4.4	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.14 U	0.14 U	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	9	8	NA	NA	NA	NA	NA	NA	NA
SELENIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
SILVER	3.5 UR	3.4 UR	NA	NA	NA	NA	NA	NA	NA
THALLIUM	2.8 U	2.7 U	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	35 U	34 U	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	27000 U	20000 U	27000 U	27000 U	25000 U	25000 U	27000 U	25000 U
GASOLINE RANGE ORGANICS	190	140 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	72	73	75	75	75	81	80	75	79
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
BENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	7 J
NAPHTHALENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	6 U

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	390 U
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	280 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UL
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	1.6
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	10 J
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	6.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	4.6
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	5.7
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UR
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	2 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	25 UL
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	28000 UJ	29000 U	56000	27000 U	26000 U	26000 U	28000 U	27000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	110 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	70	70	80	74	77	77	73	73	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,1-TRICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,2,2-TETRACHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2,3-TRICHLOROBENZENE	6 U	5.6 U	6 U	2100	14000	21	710	6.1 U	5.7 U
1,2,3-TRICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2,3-TRIMETHYLBENZENE	NA	1.7 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.35 J
1,2,4-TRICHLOROBENZENE	6 U	5.6 U	6 U	4800	69000	71	3700	6.1 U	0.95 B
1,2,4-TRIMETHYLBENZENE	6 U	4.4 J	6 U	280 U	2900 U	5.8 U	290 U	0.92 B	0.95 B
1,2-DIBROMO-3-CHLOROPROPANE	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
1,2-DIBROMOETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2-DICHLOROBENZENE	6 U	5.6 U	6 U	280 U	610 J	5.8 U	290 U	6.1 U	5.7 U
1,2-DICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.5 J
1,2-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	5.6 U	6 U	280 U	2900 U	0.46 J	290 U	6.1 U	5.7 U
1,3-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	5.6 U	6 U	17 J	640 J	5.8 U	290 U	6.1 U	5.7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
2-BUTANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
2-CHLOROETHYL VINYL ETHER	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
2-CHLOROTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
2-HEXANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
4-CHLOROTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
4-ISOPROPYLTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	9
4-METHYL-2-PENTANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
ACETONE	59 U	11 U	12 U	550 U	5800 U	12 J	580 U	12 U	21 J
BENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.81 J
BROMOBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOCHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMODICHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOFORM	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CARBON DISULFIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.2 J
CARBON TETRACHLORIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.8 J
CHLORODIBROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROFORM	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CIS-1,2-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CIS-1,3-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DIBROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DICHLORODIFLUOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DIISOPROPYL ETHER	NA	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
ETHYL TERT-BUTYL ETHER	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
ETHYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
ISOPROPYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.82 J
M+P-XYLENES	12 U	2.1 J	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
METHYL TERT-BUTYL ETHER	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
METHYLENE CHLORIDE	8 J	1.4 B	3 B	280 U	2900 U	2.7 B	290 U	3.3 B	3.4 B
NAPHTHALENE	6 U	2.6 B	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.3 B
N-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
N-PROPYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
O-XYLENE	6 U	1.3 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.4 J
SEC-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
STYRENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERT-AMYL METHYL ETHER	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERT-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERTIARY-BUTYL ALCOHOL	NA	110 UR	120 UR	5500 UR	58000 UR	120 UR	5800 UR	120 UR	110 UR
TETRACHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TOLUENE	6 U	0.49 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.59 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	3.4 J	12 U	550 U	5800 U	12 U	580 U	12 U	2.2 J
TRANS-1,2-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRANS-1,3-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRICHLOROFLUOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
VINYL ACETATE	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
VINYL CHLORIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.64 J
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4,5-TRICHLOROPHENOL	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4,6-TRICHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DICHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DIMETHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DINITROPHENOL	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
2,4-DINITROTOLUENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,6-DINITROTOLUENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-CHLORONAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-CHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-METHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-NITROANILINE	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
2-NITROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
3&4-METHYLPHENOL	400 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
3-NITROANILINE	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
4,6-DINITRO-2-METHYLPHENOL	930 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-BROMOPHENYL PHENYL ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLORO-3-METHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLOROANILINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLOROPHENYL PHENYL ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-METHYLPHENOL	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-NITROANILINE	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-NITROPHENOL	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
ACETOPHENONE	400 U	75 U	80 U	74 U	79 U	78 U	780 U	81 U	310 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BIS(2-CHLOROETHYL)ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BUTYL BENZYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
CAPROLACTAM	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
CARBAZOLE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	370 J
DIBENZOFURAN	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	260 J
DIETHYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DIMETHYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DI-N-BUTYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DI-N-OCTYL PHTHALATE	400 UJ	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROBENZENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROBUTADIENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROCYCLOPENTADIENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROETHANE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
ISOPHORONE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
NITROBENZENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSODIMETHYLAMINE	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSO-DI-N-PROPYLAMINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSODIPHENYLAMINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PENTACHLOROPHENOL	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	140 J
ACENAPHTHENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	500 J
ACENAPHTHYLENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
ANTHRACENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1100 J
BAP EQUIVALENT-HALFND	400 U	370 U	400 U	370 U	390 U	217	3800 U	234	2167
BAP EQUIVALENT-POS	400 U	370 U	400 U	370 U	390 U	22	3800 U	34	2167
BENZO(A)ANTHRACENE	400 U	370 U	400 U	370 U	390 U	21 J	3800 U	28 J	2000
BENZO(A)PYRENE	400 UJ	370 U	400 U	370 U	390 U	16 J	3800 U	26 J	1500
BENZO(B)FLUORANTHENE	400 UJ	370 U	400 U	370 U	390 U	31 J	3800 U	40 J	1900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 UJ	370 U	400 U	370 U	390 U	11 J	3800 U	19 J	710 J
BENZO(K)FLUORANTHENE	400 UJ	370 U	400 U	370 U	390 U	9.3 J	3800 U	17 J	770 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	370 U	400 U	370 U	390 U	13 J	3800 U	29 J	1700
DIBENZO(A,H)ANTHRACENE	400 UJ	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	200 J
FLUORANTHENE	400 U	370 U	400 U	370 U	390 U	32 J	3800 U	54 J	4900
FLUORENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	510 J
INDENO(1,2,3-CD)PYRENE	400 UJ	370 U	400 U	370 U	390 U	10 J	3800 U	15 J	680 J
NAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	330 J
PHENANTHRENE	400 U	370 U	400 U	370 U	390 U	10 J	3800 U	25 J	3900
PYRENE	400 U	370 U	400 U	370 U	390 U	20 J	3800 U	51 J	3400
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	173.3	0 U	304	24240
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1221	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1232	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1242	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1248	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1254	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1260	300 U	37 U	40 U	5800	24000	49000	65000	380	11000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	5800	24000	49000	65000	380	11000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	2.8 U	0.091 B	0.098 B	0.068 B	0.18 J	0.17 L	0.14 B	0.1 B	0.14 B
ARSENIC	1.3	0.31 L	0.73 L	1.1 L	0.94 L	1.3 L	0.55 L	0.42 L	2
BARIUM	NA	6.2	8.5	6.5	13.8	6.5	3.6	2.1	50.7
BERYLLIUM	2.8 U	0.33	0.57	0.44	3.1	0.15	0.11	0.015 B	0.75
CADMIUM	2.8 U	0.0084 B	0.016	0.0056 B	0.018 K	0.056	0.035	0.018	0.67
CHROMIUM	5.6 K	7.4 K	10.8 K	6 K	15.7 K	5.9 K	3.3 K	3.2 J	12.9 J
COBALT	NA	1.2 J	1.7 J	1.7 J	4.1 J	1.1 J	0.67 J	0.18	8.6
COPPER	4.7 L	3.6 J	4.5 J	4.9 J	12.4 J	2.3 J	1.6 J	1.9 J	12.9 J
IRON	NA	9880	10900	7710	25800	5570	4060	1980	15400
LEAD	2.8 UJ	1.6 J	1.3 J	1.8 J	5.1 J	3.6 J	2.4 J	2.4 J	14.4 J
MANGANESE	NA	19.6 L	18.6 L	29 L	70.4 L	44 L	39.7 L	3.5	88.8
MERCURY	0.11 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.079
MOLYBDENUM	NA	0.13 B	0.13 B	0.17 B	0.078 UL	0.14 B	0.18 B	0.35 B	0.38 B
NICKEL	2.8 U	4	6.4	2.1	14.7	1.6	1.4	0.39 B	10.9
SELENIUM	2.8 U	0.56 L	0.24 L	0.18 UL	0.46 L	0.19 UL	0.19 UL	0.19 U	0.21
SILVER	2.8 UL	0.036	0.04	0.026 B	0.078	0.031 B	0.018 B	0.016 B	0.16
THALLIUM	2.3 UL	0.024 B	0.033 B	0.031 B	0.052 B	0.015 B	0.0085 B	0.011 B	0.099 K
VANADIUM	NA	10.8	17.3	7.1	20.7	7.2	4	5.3 J	18.3 J
ZINC	28 UL	5.7 J	8.4 J	7.4 J	24.8 J	13.9 J	14.9 J	2.8	41.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	15000 B	640 J	25000 B	34000 B	48000	37000	9900 J	130000 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	89.3	83.3	89.5	84.7	85.7	85.8	82.1	87.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,1-TRICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRIMETHYLBENZENE	0.35 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,4-TRICHLOROBENZENE	0.63 B	5.8 U	0.45 B	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,4-TRIMETHYLBENZENE	1.2 B	5.8 U	6.3 U	5.8 U	1 B	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
2-BUTANONE	4.3 J	12 U	13 U	12 U	13 U	2.6 J	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
2-HEXANONE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
4-ISOPROPYLTOLUENE	1.6 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
4-METHYL-2-PENTANONE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
ACETONE	74 J	12 U	13 U	12 U	14 J	56 J	8 J	12 U	12 U
BENZENE	0.78 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOCHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMODICHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOFORM	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CARBON DISULFIDE	2.4 J	5.8 U	6.3 U	5.8 U	4.2 J	6.2 U	5.8 U	5.8 U	5.85 U
CARBON TETRACHLORIDE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLORODIBROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROFORM	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CIS-1,2-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CIS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DIBROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DICHLORODIFLUOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DIISOPROPYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
ETHYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
ISOPROPYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
M+P-XYLENES	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	3.7 B	3.1 B	2.5 B	2.3 B	1.8 B	6.5 B	5.3 B	7.1 B	6.25 U
NAPHTHALENE	2.4 B	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
N-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
N-PROPYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
O-XYLENE	0.8 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
SEC-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
STYRENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERT-AMYL METHYL ETHER	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERT-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	130 UR	120 UR	130 UR	120 UR	120 UR	120 UR	120 R
TETRACHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TOLUENE	0.47 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1.5 J	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRICHLOROFLUOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
VINYL ACETATE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
VINYL CHLORIDE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4,5-TRICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4,6-TRICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DIMETHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DINITROPHENOL	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
2,4-DINITROTOLUENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,6-DINITROTOLUENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-CHLORONAPHTHALENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-CHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-NITROANILINE	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
2-NITROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
3-NITROANILINE	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
4,6-DINITRO-2-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-BROMOPHENYL PHENYL ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLOROANILINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-NITROANILINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-NITROPHENOL	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
ACETOPHENONE	77 U	78 U	84 U	77 U	85 U	82 U	77 U	78 U	78 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BIS(2-CHLOROETHYL)ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	38 J	380 U	25 J	380 U	420 U	410 U	380 U	390 U	390 U
BUTYL BENZYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
CAPROLACTAM	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
CARBAZOLE	22 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIBENZOFURAN	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIETHYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIMETHYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DI-N-BUTYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DI-N-OCTYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROBENZENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROBUTADIENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROETHANE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ISOPHORONE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
NITROBENZENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSODIMETHYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSODIPHENYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PENTACHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	12 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ACENAPHTHENE	21 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ACENAPHTHYLENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ANTHRACENE	26 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BAP EQUIVALENT-HALFND	287	380 U	239	380 U	420 U	410 U	380 U	390 U	390 U
BAP EQUIVALENT-POS	97	380 U	13	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(A)ANTHRACENE	83 J	380 U	9.7 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(A)PYRENE	73 J	380 U	10 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(B)FLUORANTHENE	110 J	380 U	21 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	47 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(K)FLUORANTHENE	38 J	380 U	9.2 J	380 U	420 U	410 U	380 U	390 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	71 J	380 U	12 J	380 U	420 U	410 U	380 U	390 U	390 U
DIBENZO(A,H)ANTHRACENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
FLUORANTHENE	190 J	380 U	21 J	380 U	420 U	410 U	380 U	390 U	390 U
FLUORENE	19 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	43 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
NAPHTHALENE	22 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PHENANTHRENE	100 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PYRENE	120 J	380 U	17 J	380 U	420 U	410 U	380 U	390 U	390 U
TOTAL PAHS	975	0 U	99.9	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1221	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1232	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1242	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1248	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1254	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1260	2300	15 J	650	38 U	20 J	41 U	38 U	39 U	39 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	2300	15	650	0 U	20	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.13 B	0.17 B	0.12 B	0.045 B	0.033 B	0.067 B	0.036 B	0.11 B	0.0945 U
ARSENIC	1.2 L	1.2 L	1.7	1.6	1 L	2.3	1.1 L	1.4	1.2
BARIUM	89.2	21.1	16.6	17.9	9.5	20.6	9.8	11.4	9.75
BERYLLIUM	0.38	0.95	0.72	0.61	0.48	1.1	1.6	0.85	0.79
CADMIUM	0.38 K	0.018 K	0.069 K	0.022	0.0077 B	0.038 K	0.028	0.014 B	0.014 U
CHROMIUM	13.3 J	10.2 J	12.8 J	8.7 J	4.4 J	11.1 J	7.5 J	9.1 J	7.9
COBALT	4.5	6.3	4.6	3.3	2.4	3.3	1.2	2.3	2
COPPER	16.6 J	14.6 J	11.7 J	7 J	4.6 J	6.8 J	6.3 J	10.6 J	9.4
IRON	18900	17700	17000	8880	6210	13600	3760	17700	14550
LEAD	10.4 J	3.7 J	4 J	4.4 J	2.4 J	6.8 J	3.3 J	3.4 J	3.1
MANGANESE	168	34.5	31.3	41.5	29.3	44.7	8.1	14.3 J	73.15
MERCURY	0.29	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U	0.019 U	0.019 U	0.0195 U
MOLYBDENUM	1.3 J	0.15 B	0.42 B	0.12 B	0.16 B	0.33 B	0.11 B	0.13 B	0.111 U
NICKEL	11.1	10.3	6.5	8.2	2.8	7.1	4.2	6.6	6.1
SELENIUM	0.31	0.31	0.2	0.19 U	0.2 U	0.21	0.56	0.32	0.35
SILVER	0.094	0.073	0.07	0.051	0.034 B	0.077	0.036 B	0.078	0.0785
THALLIUM	0.21 K	0.051 B	0.04 B	0.047 B	0.027 B	0.13 K	0.041 B	0.046 B	0.041 U
VANADIUM	20.2 J	18.8 J	15.9 J	16 J	7.6 J	17.5 J	14.4 J	19.8 J	16.55
ZINC	45.7	19.5	18.1	26.3	9.8	25.4	8.5	16.8 J	13.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	43000	2700 B	7000 J	17000 J	3600 J	4300 J	2700 B	1900 B	1800 U
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	85.9	79.7	86.4	78.5	81.1	86.3	85.6	85.35
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
2-BUTANONE	12 U	4.6 J	12 U	11 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
2-HEXANONE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
ACETONE	12 U	13 J	10 J	15 J	NA	NA	NA	NA	NA
BENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	5.4 B	7.2 B	4.8 B	4.3 B	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
STYRENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	120 UR	110 UR	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	12 U	12 UJ	11 UJ	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
VINYL CHLORIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
ACETOPHENONE	78 U	80 U	77 U	76 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
CARBAZOLE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ISOPHORONE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
NITROBENZENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
CHRYSENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
FLUORENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	40 U	38 U	38 U	28 U	25 U	27 U	23 U	25 U
AROCLOR-1221	39 U	40 U	38 U	38 U	22 U	19 U	21 U	18 U	19 U
AROCLOR-1232	39 U	40 U	38 U	38 U	19 U	17 U	18 U	16 U	17 U
AROCLOR-1242	39 U	40 U	38 U	38 U	17 U	16 U	17 U	15 U	16 U
AROCLOR-1248	39 U	40 U	38 U	38 U	23 U	20 U	22 U	19 U	21 U
AROCLOR-1254	39 U	40 U	38 U	38 U	23 U	20 U	22 U	19 U	21 U
AROCLOR-1260	39 U	40 U	38 U	38 U	280	23 J	24 J	19 U	310
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	280	23	24	0 U	310
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.079 B	0.084 B	0.059 L	0.12 L	NA	NA	NA	NA	NA
ARSENIC	1 L	0.42 L	1.7 J	2.5 J	NA	NA	NA	NA	NA
BARIUM	8.1	8.5	8.9 K	5.7 K	NA	NA	NA	NA	NA
BERYLLIUM	0.73	1.5	0.62	0.33	NA	NA	NA	NA	NA
CADMIUM	0.014 B	0.016 K	0.016 B	0.0087 B	NA	NA	NA	NA	NA
CHROMIUM	6.7 J	13.2 J	10 J	8.3 J	NA	NA	NA	NA	NA
COBALT	1.7	3.5	2.3	2.3	NA	NA	NA	NA	NA
COPPER	8.2 J	11.4 J	11.3 J	6.7 J	NA	NA	NA	NA	NA
IRON	11400	8540	10300	10200	NA	NA	NA	NA	NA
LEAD	2.8 J	3.3 J	2.5 J	1.4 J	NA	NA	NA	NA	NA
MANGANESE	132 J	18.8	27.1 L	25.9 L	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.019 UL	0.019 UL	NA	NA	NA	NA	NA
MOLYBDENUM	0.092 B	0.079 UL	0.1 B	0.27 B	NA	NA	NA	NA	NA
NICKEL	5.6	10.3	5.4 J	3.9 J	NA	NA	NA	NA	NA
SELENIUM	0.38	0.21	0.3 L	0.18 UL	NA	NA	NA	NA	NA
SILVER	0.079	0.05	0.042	0.032	NA	NA	NA	NA	NA
THALLIUM	0.036 B	0.035 B	0.028 B	0.02 B	NA	NA	NA	NA	NA
VANADIUM	13.3 J	13.4 J	14.5 J	10.6 J	NA	NA	NA	NA	NA
ZINC	9.4 J	14.8	10.7 B	6 B	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1700 B	2700 B	13000 B	5600 B	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.1	83.1	86.3	87.4	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	240 U	28 U	25 U	25 U	27 U	23 U	23 U	25 U
AROCLOR-1221	19 U	190 U	22 U	19 U	19 U	20 U	17 U	18 U	19 U
AROCLOR-1232	17 U	160 U	19 U	17 U	16 U	18 U	15 U	16 U	17 U
AROCLOR-1242	16 U	150 U	18 U	15 U	15 U	16 U	14 U	15 U	16 U
AROCLOR-1248	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U	21 U
AROCLOR-1254	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U	21 U
AROCLOR-1260	94	3500	23 U	22 J	20 U	22 U	18 U	19 U	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	94	3500	0 U	22	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	24 U	25 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	18 U	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	16 U	16 U	16 U	17 U	17 U	17 U	16 U	17 U	17 U
AROCLOR-1242	15 U	15 U	15 U	16 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	59	20 U	20 U	20 U	20 U	20 U	20 U	20 U	27 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	59	0 U	0 U	0 U	0 U	0 U	0 U	0 U	27
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	23 U	25 U	25 U	25 U	25 U	24 U	24 U	24 U	25 U
AROCLOR-1221	17 U	19 U	19 U	19 U	19 U	18 U	18 U	18 U	19 U
AROCLOR-1232	15 U	17 U	17 U	17 U	17 U	16 U	16 U	16 U	16 U
AROCLOR-1242	14 U	16 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U
AROCLOR-1248	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U
AROCLOR-1254	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U
AROCLOR-1260	18 U	20 U	20 U	20 U	20 U	19 U	19 U	35 J	68
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	35	68
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	25 U	25 U	25 U	24 U	25 U	24 U	24 U
AROCLOR-1221	19 U	18 U	19 U	19 U	19 U	18 U	19 U	19 U	18 U
AROCLOR-1232	16 U	16 U	16 U	16 U	16 U	16 U	17 U	16 U	16 U
AROCLOR-1242	15 U	15 U	15 U	15 U	15 U	15 U	16 U	15 U	15 U
AROCLOR-1248	20 U	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
AROCLOR-1254	20 U	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
AROCLOR-1260	140	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	140	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	28 U	27 U	26 U	130 U	24 U	23 U	25 U	120 U	25 U
AROCLOR-1221	21 U	20 U	20 U	100 U	18 U	17 U	19 U	88 U	19 U
AROCLOR-1232	19 U	18 U	17 U	87 U	16 U	15 U	17 U	77 U	16 U
AROCLOR-1242	17 U	17 U	16 U	81 U	15 U	14 U	15 U	72 U	15 U
AROCLOR-1248	23 U	22 U	21 U	110 U	19 U	18 U	20 U	94 U	20 U
AROCLOR-1254	23 U	22 U	21 U	110 U	44	18 U	20 U	94 U	20 U
AROCLOR-1260	23 U	120	21 U	400	19 U	18 U	20 U	350	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	120	0 U	400	44	0 U	0 U	350	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	22 U	24 U	26 U	25 U	25 U	25 U	25 U
AROCLOR-1221	17 U	18 U	20 U	19 U	19 U	19 U	19 U
AROCLOR-1232	15 U	16 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	14 U	15 U	16 U	15 U	16 U	16 U	16 U
AROCLOR-1248	18 U	20 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1254	18 U	20 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1260	18 U	20 U	21 U	60	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	60	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,1-TRICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,2,2-TETRACHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,2-TRICHLOROETHANE	6 U	7 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	5.8 U	5.8 U
1,1-DICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,4-TRIMETHYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	7 U	7 U	7 U	NA	12 U	12 U
1,2-DIBROMOETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3,5-TRIMETHYLBENZENE	6 U	7 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
2-BUTANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
2-CHLOROETHYL VINYL ETHER	6 U	7 U	7 U	7 U	NA	12 U	12 U
2-CHLOROTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
2-HEXANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
4-CHLOROTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
4-ISOPROPYLTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
4-METHYL-2-PENTANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
ACETONE	64 UJ	7 J	7 J	66 UJ	NA	12 U	8.9 J
BENZENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
BROMOBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOCHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMODICHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOFORM	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CARBON DISULFIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CARBON TETRACHLORIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLORODIBROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROFORM	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CIS-1,2-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CIS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DIBROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DICHLORODIFLUOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	12 U	12 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	5.8 U	5.8 U
ETHYLBENZENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
ISOPROPYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
M+P-XYLENES	19 U	20 U	19 U	20 U	NA	12 U	12 U
METHYL TERT-BUTYL ETHER	6 U	7 U	7 U	7 U	NA	12 U	12 U
METHYLENE CHLORIDE	10 J	10 J	9 J	10 J	NA	5.2 B	4.5 B
NAPHTHALENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
N-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
N-PROPYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
O-XYLENE	19 U	20 U	19 U	20 U	NA	5.8 U	5.8 U
SEC-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
STYRENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	5.8 U	5.8 U
TERT-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	120 UR	120 UR
TETRACHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TOLUENE	6 U	7 U	7 U	7 U	2	5.8 U	5.8 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	10	12 U	12 U
TRANS-1,2-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRANS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRICHLOROFLUOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
VINYL ACETATE	6 U	7 U	7 U	7 U	NA	12 U	12 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
VINYL CHLORIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4,5-TRICHLOROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
2,4,6-TRICHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DICHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DIMETHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DINITROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
2,4-DINITROTOLUENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,6-DINITROTOLUENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-CHLORONAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-CHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
2-NITROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
3&4-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
3-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
4,6-DINITRO-2-METHYLPHENOL	980 U	1000 U	1000 U	1000 U	NA	380 UL	380 U
4-BROMOPHENYL PHENYL ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLORO-3-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLOROANILINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLOROPHENYL PHENYL ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	380 UL	380 U
4-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
4-NITROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
ACETOPHENONE	420 U	450 U	430 U	440 U	NA	77 UL	77 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	380 UL	380 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BIS(2-CHLOROETHYL)ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BUTYL BENZYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
CAPROLACTAM	420 U	450 U	430 U	440 U	NA	380 UL	380 U
CARBAZOLE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIBENZOFURAN	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIETHYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIMETHYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DI-N-BUTYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DI-N-OCTYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROBENZENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROBUTADIENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROCYCLOPENTADIENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROETHANE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ISOPHORONE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
NITROBENZENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	380 UL	380 U
N-NITROSO-DI-N-PROPYLAMINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
N-NITROSODIPHENYLAMINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PENTACHLOROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
PHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ACENAPHTHENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ACENAPHTHYLENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BAP EQUIVALENT-HALFND	420 U	450 U	430 U	440 U	NA	380 U	236
BAP EQUIVALENT-POS	420 U	450 U	430 U	440 U	NA	380 U	46
BENZO(A)ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	34 J
BENZO(A)PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	34 J
BENZO(B)FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	64 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	420 U	450 U	430 U	440 U	NA	380 UL	27 J
BENZO(K)FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	18 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	420 U	450 U	430 U	440 U	NA	380 UL	42 J
DIBENZO(A,H)ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	78 J
FLUORENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
INDENO(1,2,3-CD)PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	24 J
NAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PHENANTHRENE	420 U	450 U	430 U	440 U	NA	380 UL	25 J
PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	59 J
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	0 U	405
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1221	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1232	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1242	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1248	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1254	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1260	64 U	68 U	65 U	66 U	NA	38 U	16 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	NA	0 U	16
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.2 UL	3.4 UL	3.2 UL	3.3 UL	NA	0.13 L	0.17 L
ARSENIC	1.4 L	1.1 L	0.77 L	2 L	NA	0.26 J	0.36 J
BARIUM	NA	NA	NA	NA	NA	7.1 K	7.8 K
BERYLLIUM	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.42	0.66
CADMIUM	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.018 B	0.03 K
CHROMIUM	4.8 B	3.8 B	9.5 B	22 J	NA	8.5 J	11.7 J
COBALT	NA	NA	NA	NA	NA	1.2	1.9
COPPER	3.6	3.4 U	5.4	14	NA	5.5 J	6.7 J
IRON	NA	NA	NA	NA	NA	15200	20900
LEAD	3.2 U	3.4 U	4.8	7.1	NA	1.9 J	1.7 J
MANGANESE	NA	NA	NA	NA	NA	27.1 L	73.6 J
MERCURY	0.13 U	0.14 U	0.12 U	0.13 U	NA	0.019 UL	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	0.076 UL	0.16 B
NICKEL	4.5	4.6	4.8	21	NA	4 J	6.5 J
SELENIUM	3.2 U	3.4 U	3.6	3.3 U	NA	0.75 L	0.18 UL
SILVER	3.2 UR	3.4 UR	3.2 UR	3.3 UR	NA	0.061 K	0.069 K
THALLIUM	2.5 U	2.7 U	2.6 U	2.7 U	NA	0.024 B	0.025 B
VANADIUM	NA	NA	NA	NA	NA	13 J	15.8 J
ZINC	32 U	34 U	32 U	33 U	NA	5.9 B	9.8 B
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	25000 U	27000 U	26000 U	27000 U	26000 U	NA	NA
GASOLINE RANGE ORGANICS	130 U	140 U	130 U	130 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	4700 B	10000 B
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	78	74	77	75	77	86.9	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,1-TRICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRIMETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,4-TRICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,4-TRIMETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
1,2-DIBROMOETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
2-BUTANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	2.7 J
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
2-CHLOROTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
2-HEXANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
4-CHLOROTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
4-ISOPROPYLTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
ACETONE	8.9 J	12 U	12 J	19 J	11 U	20 J	16	12 J	69 J
BENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOCHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMODICHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOFORM	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CARBON DISULFIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CARBON TETRACHLORIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLORODIBROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROFORM	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CIS-1,2-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CIS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DIBROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DICHLORODIFLUOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DIISOPROPYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
ETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
ISOPROPYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
M+P-XYLENES	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
METHYLENE CHLORIDE	4.5 U	4.5 B	5.6 B	5.7 B	6.2 B	4.8 B	4.75 U	4.7 B	4.4 B
NAPHTHALENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	110 J	80.5	51 J	5.9 U
N-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
N-PROPYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
O-XYLENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
SEC-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
STYRENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERT-AMYL METHYL ETHER	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERT-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERTIARY-BUTYL ALCOHOL	120 R	120 UR	120 UR	130 UR	110 UR	130 UR	130 R	130 UR	120 UR
TETRACHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRICHLOROFLUOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
VINYL ACETATE	12 U	12 U	12 U	13 U	11 U	13 UJ	13 U	13 U	12 UJ

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
VINYL CHLORIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4,5-TRICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4,6-TRICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DIMETHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DINITROPHENOL	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
2,4-DINITROTOLUENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,6-DINITROTOLUENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-CHLORONAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-CHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-NITROANILINE	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
2-NITROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
3-NITROANILINE	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
4,6-DINITRO-2-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-BROMOPHENYL PHENYL ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLORO-3-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLOROANILINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLOROPHENYL PHENYL ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-NITROANILINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-NITROPHENOL	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
ACETOPHENONE	77.5 U	78 U	78 U	83 U	76 U	84 U	84 U	84 U	78 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BIS(2-CHLOROETHYL)ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BUTYL BENZYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
CAPROLACTAM	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
CARBAZOLE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DIBENZOFURAN	385 U	390 U	390 U	410 U	380 U	410 U	91 J	91 J	390 U
DIETHYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DIMETHYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DI-N-BUTYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DI-N-OCTYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROBENZENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROBUTADIENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROCYCLOPENTADIENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROETHANE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
ISOPHORONE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
NITROBENZENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSODIMETHYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSODIPHENYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PENTACHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	63 J	63 J	390 U
ACENAPHTHENE	385 U	390 U	390 U	410 U	380 U	410 U	35 J	35 J	390 U
ACENAPHTHYLENE	385 U	390 U	390 U	410 U	380 U	410 U	18 J	18 J	390 U
ANTHRACENE	385 U	390 U	390 U	410 U	380 U	410 U	58 J	58 J	390 U
BAP EQUIVALENT-HALFND	230	224	413	410 U	380 U	303	379	456	432
BAP EQUIVALENT-POS	38	29	1.9	410 U	380 U	96	276	456	1
BENZO(A)ANTHRACENE	28.5	23 J	8.8 J	410 U	380 U	63 J	171.5	280 J	390 U
BENZO(A)PYRENE	27.5	21 J	390 U	410 U	380 U	75 J	192.5	310 J	390 U
BENZO(B)FLUORANTHENE	50.5	37 J	9.8 J	410 U	380 U	98 J	234	370 J	10 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	22	17 J	390 U	410 U	380 U	68 J	159	250 J	390 U
BENZO(K)FLUORANTHENE	16	14 J	390 U	410 U	380 U	410 U	150 J	150 J	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	32.5	23 J	8.7 J	410 U	380 U	79 J	219.5	360 J	390 U
DIBENZO(A,H)ANTHRACENE	385 U	390 U	390 U	410 U	380 U	410 U	61 J	61 J	390 U
FLUORANTHENE	62	46 J	12 J	9.2 J	380 U	120 J	360	600 J	390 U
FLUORENE	385 U	390 U	390 U	410 U	380 U	410 U	17 J	17 J	390 U
INDENO(1,2,3-CD)PYRENE	20	16 J	390 U	410 U	380 U	48 J	114	180 J	390 U
NAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	65 J	65 J	390 U
PHENANTHRENE	20	15 J	390 U	410 U	380 U	90 J	320	550 J	390 U
PYRENE	46.5	34 J	9.2 J	410 U	380 U	140 J	425	710 J	390 U
TOTAL PAHS	325.5	246	48.5	9.2	0 U	781	2429	4077	10
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1221	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1232	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1242	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1248	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1254	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1260	16 J	39 U	16 J	41 U	38 U	18 J	35.5	53 J	39 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	8	0 U	16	0 U	0 U	18	35.5	53	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.155	0.14 L	0.0056 UL	0.006 UL	0.15 L	0.083 L	0.1115	0.14 L	0.056 L
ARSENIC	0.31	0.26 J	0.58 J	0.35 J	0.59 J	0.76 J	1.08	1.4 L	2.3 J
BARIUM	6.9	6 K	7.7 K	6.4 K	12.5 K	17.9 J	25.2	32.5 J	8.9 K
BERYLLIUM	0.62	0.58	0.31	0.42	0.96	0.77	0.735	0.7	0.3
CADMIUM	0.01925	0.017 B	0.0075 B	0.011 B	0.019 K	0.55	0.3085	0.067 K	0.009 B
CHROMIUM	10.9	10.1 J	1.5 J	4 J	8.5 J	8.9 J	9	9.1 J	7.8 J
COBALT	1.95	2	0.82	1	3	2.2	2.15	2.1 J	4
COPPER	6.75	6.8 J	4.1 J	4.7 J	10.3 J	11.3 J	10.25	9.2 L	3.5 J
IRON	19350	17800	1290	3240	15200	9820	9510	9200	8600
LEAD	1.5	1.3 J	3.2 J	2.2 J	3.6 J	8.6 J	8.15	7.7 L	3.2 J
MANGANESE	48.3	23 J	2.2 L	4.8 L	33.5 L	68.2 L	107.1	146 J	47 L
MERCURY	0.019 U	0.019 UL	0.02 UL	0.021 UL	0.019 UL	0.021 UL	0.021 U	0.021 UL	0.02 UL
MOLYBDENUM	0.135 U	0.11 B	0.077 UL	0.083 UL	0.08 B	0.28 B	0.295 U	0.31 B	0.094 B
NICKEL	7.2	7.9 J	1.8 J	2.6 J	11.5 J	8 J	7.4	6.8 L	2.8 J
SELENIUM	0.185 U	0.19 UL	0.2 L	0.2 UL	0.53 L	0.54 L	0.435	0.33 L	0.19 UL
SILVER	0.067	0.065	0.035	0.03	0.066	0.057	0.0635	0.07	0.03
THALLIUM	0.023 U	0.021 B	0.045 B	0.028 B	0.053 B	0.033 B	0.028 K	0.028 K	0.035 B
VANADIUM	16.35	16.9 J	2.2 J	7.5 J	12.6 J	12.4 J	13.6	14.8 J	12.3 J
ZINC	8.05	11.2	5.2 B	7 B	12	13.5	14.6	15.7	9.3 B
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	8200 U	6400 B	1600 B	7200 B	6100 B	21000 B	16750	23000	8400 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86.15	85.7	85.3	79.9	87.7	79.7	79.55	79.4	85.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,1-TRICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1-DICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	0.69 J	0.69 J	6.1 U	6.1 U
1,1-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRIMETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,4-TRICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,4-TRIMETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
2-BUTANONE	12 U	9.3 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
2-HEXANONE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
4-ISOPROPYLTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
ACETONE	26 J	130 J	38 J	43.5	49 J	16 J	12 U	12 U	8.4 J
BENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOCHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMODICHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOFORM	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CARBON DISULFIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CARBON TETRACHLORIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLORODIBROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROFORM	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CIS-1,2-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	9.7	6 J	6.1 U	6.1 U
CIS-1,3-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DIBROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DICHLORODIFLUOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DIISOPROPYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
ETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
ISOPROPYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
M+P-XYLENES	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	5.5 B	5.9 B	5.8 B	4.5 U	3.2 B	5.5 B	4.9 B	4.4 B	3.7 B
NAPHTHALENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
N-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
N-PROPYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
O-XYLENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
SEC-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
STYRENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERT-AMYL METHYL ETHER	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERT-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	120 UR	120 R	120 UR	120 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRICHLOROFLUOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
VINYL ACETATE	12 UJ	12 UJ	12 UJ	12 U	12 U	12 UJ	12 U	12 U	12 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
VINYL CHLORIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	3.5 J	0.48 J	6.1 U	6.1 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4,5-TRICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4,6-TRICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DIMETHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DINITROPHENOL	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
2,4-DINITROTOLUENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,6-DINITROTOLUENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-CHLORONAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-CHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-NITROANILINE	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
2-NITROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
3-NITROANILINE	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
4,6-DINITRO-2-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLOROANILINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-NITROANILINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-NITROPHENOL	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
ACETOPHENONE	78 U	81 U	79 U	79 U	79 U	81 U	82 U	81 U	81 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	28 J	26	24 J	400 U	410 U	400 U	30 J
BUTYL BENZYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
CAPROLACTAM	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
CARBAZOLE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIBENZOFURAN	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIETHYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIMETHYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DI-N-BUTYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DI-N-OCTYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROBENZENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROBUTADIENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROETHANE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ISOPHORONE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
NITROBENZENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSODIMETHYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSODIPHENYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PENTACHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ACENAPHTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ACENAPHTHYLENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BAP EQUIVALENT-HALFND	390 U	400 U	390 U	390 U	390 U	400 U	455	400 U	240
BAP EQUIVALENT-POS	390 U	400 U	390 U	390 U	390 U	400 U	1.4	400 U	40
BENZO(A)ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	29 J
BENZO(A)PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	30 J
BENZO(B)FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	14 J	400 U	48 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	21 J
BENZO(K)FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	16 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	32 J
DIBENZO(A,H)ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	57 J
FLUORENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
INDENO(1,2,3-CD)PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	17 J
NAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PHENANTHRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	25 J
PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	48 J
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	14	0 U	323
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1221	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1232	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1242	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1248	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1254	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1260	39 U	40 U	39 U	39 U	39 U	40 U	19 J	40 U	190
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	19	0 U	190
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.0056 UL	0.092 L	0.22 L	0.2	0.18 J	0.17 J	0.11 B	0.26 J	0.2 L
ARSENIC	0.46 J	0.39 J	1.3 J	0.86	0.42 L	0.62 L	0.22 L	0.55 L	0.75 L
BARIUM	1.9 K	12.4 K	11.6 K	11.45	11.3	7.8	10.4	8.2	12.9
BERYLLIUM	0.076	2.7	3.7	3	2.3	3.3	4.4	2.4	1.5
CADMIUM	0.0037 B	0.029 K	0.024 K	0.057	0.09 K	0.012 B	0.02 K	0.019 K	0.12 K
CHROMIUM	2.3 J	11.7 J	11.1 J	10.9	10.7 J	9.1 J	10.6 J	7.7 J	11.3 J
COBALT	0.98	9.1	8.8	7.65	6.5 J	4.3 J	6.2 J	4.9 J	4.6 J
COPPER	1 J	16.1 J	11.7 J	11.05	10.4 L	28.7 L	11.2 L	14.7 L	15.2 L
IRON	2310	40100	51200	42200	33200	28700	22600	28700	18400
LEAD	0.71 J	3.5 J	5.6 J	4.6	3.6 L	2.8 L	3.2 L	3.5 L	7.9 L
MANGANESE	8.8 L	280 L	225 L	205.5	186 L	106 L	277 L	93.3 L	53 L
MERCURY	0.019 UL	0.02 UL	0.02 UL	0.02 U	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.02 UL
MOLYBDENUM	0.077 UL	0.08 UL	0.09 B	0.12 U	0.15 B	0.16 B	0.083 B	0.08 UL	0.3 B
NICKEL	0.76 J	16.7 J	15.9 J	15.1	14.3 L	18.7 L	11.9 L	16.3 L	11.2 L
SELENIUM	0.19 UL	0.19 UL	0.19 UL	0.19 U	0.19 UL	0.19 UL	0.2 UL	1.8 L	0.58 L
SILVER	0.0079 B	0.089	0.11 K	0.098	0.086 K	0.087 K	0.079	0.12	0.073
THALLIUM	0.0052 B	0.041 B	0.061 B	0.041 K	0.041 K	0.034 K	0.038 K	0.046 K	0.035 K
VANADIUM	3 J	15.2 J	16.5 J	13.85	11.2 J	13.5 J	11.5 J	12.7 J	15.1 J
ZINC	5.5 B	35.3	62.3	50	37.7	58	28.6	19.1	41.3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	990 B	9100 B	8300 B	5500 U	2700 B	2000 B	2200 B	1600 B	1800 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.6	82.7	84.4	84.6	84.8	82.6	80.8	82.5	82.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	0.48 J	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.1 B	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
2-BUTANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
2-HEXANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
ACETONE	24 J	14 J	9 J	14 J	9.9 J	12 U	NA	NA	NA
BENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOFORM	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CARBON DISULFIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROFORM	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DIBROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
ETHYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
M+P-XYLENES	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	4.2 B	5.7 B	6.1 B	5.1 B	5.8 B	5.1 B	NA	NA	NA
NAPHTHALENE	6 U	6.5 U	0.69 B	5.8 U	6.1 U	6 U	NA	NA	NA
N-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
N-PROPYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
O-XYLENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
STYRENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	130 UR	120 UR	120 UR	120 UR	120 UR	NA	NA	NA
TETRACHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	29	NA	NA	NA
VINYL ACETATE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
VINYL CHLORIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
2,4-DINITROTOLUENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-CHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-NITROANILINE	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
2-NITROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
3-NITROANILINE	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLOROANILINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-NITROANILINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-NITROPHENOL	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
ACETOPHENONE	80 U	87 U	77 U	77 U	81 U	80 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
CAPROLACTAM	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
CARBAZOLE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIBENZOFURAN	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROETHANE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ISOPHORONE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
NITROBENZENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ACENAPHTHENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ACENAPHTHYLENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ANTHRACENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	430 U	380 U	380 U	400 U	424	NA	NA	NA
BAP EQUIVALENT-POS	400 U	430 U	380 U	380 U	400 U	2.1	NA	NA	NA
BENZO(A)ANTHRACENE	400 U	430 U	380 U	380 U	400 U	8.6 J	NA	NA	NA
BENZO(A)PYRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZO(B)FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	12 J	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	430 U	380 U	380 U	400 U	9.2 J	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	15 J	NA	NA	NA
FLUORENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
NAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PHENANTHRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PYRENE	400 U	430 U	380 U	380 U	400 U	12 J	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	56.8	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1221	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1232	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1242	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1248	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1254	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1260	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.21 J	0.037 B	0.18 J	0.078 B	0.082 B	0.13 J	NA	NA	NA
ARSENIC	2.2 L	0.43 L	0.61 L	1.2 L	1.2 L	1.3 L	NA	NA	NA
BARIUM	13.3	4.3	10.9	1.6	9	6.7	NA	NA	NA
BERYLLIUM	1.4	0.48	1.2	0.65	1.9	1.8	NA	NA	NA
CADMIUM	0.15 K	0.0051 B	0.037 K	0.0092 B	0.031 K	0.031 K	NA	NA	NA
CHROMIUM	13.2 J	4.4 J	7.7 J	4.5 J	9.4 J	6.6 J	NA	NA	NA
COBALT	3.7 J	2.8 J	2.8 J	1.6 J	5.3 J	3.6 J	NA	NA	NA
COPPER	16.2 L	6.7 L	10.2 L	12.4 L	7.5 L	8.4 L	NA	NA	NA
IRON	23400	8620	18300	9720	14200	13500	NA	NA	NA
LEAD	4 L	2 L	3.4 L	1.2 L	3.6 L	2.5 L	NA	NA	NA
MANGANESE	45.5 L	28.1 L	26.1 L	21.3 L	41.7 L	32 L	NA	NA	NA
MERCURY	0.02 UL	0.022 UL	0.019 UL	0.019 UL	0.02 UL	0.02 UL	NA	NA	NA
MOLYBDENUM	0.19 B	0.086 UL	0.093 B	0.089 B	0.094 B	0.14 B	NA	NA	NA
NICKEL	9.3 L	3.8 L	9.7 L	2.6 L	14.4 L	8.3 L	NA	NA	NA
SELENIUM	0.61 L	0.21 UL	0.57 L	0.19 UL	0.23 L	0.19 UL	NA	NA	NA
SILVER	0.088	0.036	0.087	0.047	0.067	0.049	NA	NA	NA
THALLIUM	0.048 K	0.02 B	0.043 K	0.008 B	0.042 K	0.021 K	NA	NA	NA
VANADIUM	21.1 J	6.9 J	11.5 J	5.1 J	16.6 J	13.2 J	NA	NA	NA
ZINC	26.7	19.8	20.2	13.1	30.4	21	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1800 B	1700 B	1500 B	1300 B	1300 B	1100 B	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.1	76.9	86.1	86.2	82.4	82.9	NA	84	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1221	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1232	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1242	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1248	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1254	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1260	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	84	87	85	86	88	84	81
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1221	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1232	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1242	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1248	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1254	NA	NA	9800	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1260	NA	NA	7800	18 U	250	20 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	17600	0 U	250	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	85	91	92	87	82	83	85	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1221	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1232	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1242	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1248	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1254	27	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1260	18 U	NA	NA	140	NA	NA	18 U	19 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	27	NA	NA	140	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91	86	86	87	86	81	94	88	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1221	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1232	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1242	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1248	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1254	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1260	19 U	NA	18 U	180	19 U	19 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	0 U	180	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89	89	91	88	87	88	89	86	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1221	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1232	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1242	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1248	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1254	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1260	20 U	NA	NA	19 U	19 U	700	20 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	0 U	0 U	700	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84	86	86	86	90	88	82	83	89
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1221	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1232	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1242	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1248	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1254	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1260	89 J	66	43 J	NA	NA	20 U	19 U	19 U	4000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	89	66	43	NA	NA	0 U	0 U	0 U	4000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88	87.5	87	88	88	85	87	90	88
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1221	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1232	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1242	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1248	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1254	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1260	33	300	390	NA	NA	34	19 U	19 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	300	390	NA	NA	34	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83	87	92	86	88	94	88	90	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION			SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819
SAMPLE ID			E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH			3	5	7	9	3	5	7	7	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	18 U	22 U	20 U	22 U	18 U	20 U	18 U	17.5 U	17 U	20 U
AROCLOR-1260	320	220 C	18 U	22 U	20 U	22 U	96	20 U	18 U	17.5 U	17 U	54
TOTAL AROCLOR	320 (9)	220 C(10)	0 U	0 U	0 U	0 U	96	0 U	0 U	0 U	0 U	54
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819
SAMPLE ID					E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09
SAMPLE DATE					20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH					3	5	7	9	3	5	7	7	7	9
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	(11)	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	(12)	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-820	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821
SAMPLE ID			E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D
SAMPLE DATE			20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	9	9
BOTTOM DEPTH			3	5	7	9	3	5	7	9	9	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	19 U	20 U	19 U	20 U	21 U	19 U	20 U	22 U	21.5 U	21 U
AROCLOR-1260	320	220 C	19 U	20 U	19 U	20 U	21 U	37 J	20 U	60 J	41.5	23 J
TOTAL AROCLOR	320 (9)	220 C(10)	0 U	0 U	0 U	0 U	0 U	37	0 U	60	41.5	23
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-820	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821
SAMPLE ID				E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D
SAMPLE DATE				20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	9	9
BOTTOM DEPTH				3	5	7	9	3	5	7	9	9	9
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION				SB-822	SB-822	SB-822	SB-822	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824
SAMPLE ID				E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05
SAMPLE DATE				20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	5	7	3	5
BOTTOM DEPTH				3	5	5	5	7	9	5	7	3	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	20 U	21 U	21 U	21 U	20 U	20 U	21 U	21 U	19 U	19 U
AROCLOR-1260	320	220	C	20 U	21 U	21 U	21 U	20 U	20 U	21 U	21 U	19 U	37
TOTAL AROCLOR	320 (9)	220	C(10)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	37
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-822	SB-822	SB-822	SB-822	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824
SAMPLE ID			E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	5	5	7	9	5	7	3	5
BOTTOM DEPTH			3	5	5	5	7	9	5	7	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-824	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07
SAMPLE DATE			20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	7	9	3	5	7	9	5	7
BOTTOM DEPTH			7	7	7	9	3	5	7	9	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N[4]	20 U	20 U	20 U	21 U	19 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220 C	20 U	20 U	20 U	21 U	19 U	21 U	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [9]	220 C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-824	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID				E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07
SAMPLE DATE				20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	7	9	3	5	7	9	5	7
BOTTOM DEPTH				7	7	7	9	3	5	7	9	5	7
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829
SAMPLE ID				E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03
SAMPLE DATE				20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	9	9	3	5	7	9	3	9	3
BOTTOM DEPTH				9	9	9	3	5	7	9	3	9	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	490 J	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	370 J	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	170 J	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	580 J	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	330 J	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	460 J	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	430 J	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	320 J	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	500 J	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	620 J	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	350 J	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	2300 J	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	660 J	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	20 U	20 U	390 U	20000 U	20 U	21 U	20 U
AROCLOR-1260	320	220	C	20 U	20 U	20 UJ	20 U	20 U	**2500 J**	**260000 J**	**300**	130	20 UJ
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	**2500**	**260000**	**300**	130	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829
SAMPLE ID			E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03
SAMPLE DATE			20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	9	9	3	5	7	9	3	9	3
BOTTOM DEPTH			9	9	9	3	5	7	9	3	9	3
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	**1500000**	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	280 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID				E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE				20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	23 U	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U
AROCLOR-1260	320	220	C	20 UJ	23 UJ	20 UJ	20 U	20 U	20 U	21 U	20 U	18 U	20 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID			E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE			20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH			5	7	9	3	5	7	9	3	5	7
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID				E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE				20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH				9	5	7	9	3	5	7	9	6	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	2200000	18000	140000
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	440 U	4.1 U	30 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	9600000	140000	830000
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	13000 U	120 U	870 U
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	120000 J	1600 J	6200 J
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	37000	38000 J
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	130000 J	17000	28000 J
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	110000 U	1000 U	7500 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	120 U	840 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	800000 B	4100 U	30000 U
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	16000 U	1500 J	1100 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	18000 U	170 U	1200 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	360000 B	1900 U	13000 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	140000 B	160 U	1200 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	21000 U	2900 J	1400 U
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	22000 U	210 U	1500 U
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	380 J	820 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	7200000 B	5800 UR	42000 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	25000 U	230 U	1700 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	62000 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	27000	100 U	200 U
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	28000	100 U	200 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	39347	401	200 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	33242	340	200 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	35000	100 U	200 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	27000	290	200 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	27000	500	200 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	42000	470	68 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	81000	660	200 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	11000 U	310	460
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	88000	360	200 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	60000	520	200 U
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	415000	3110	460
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1260	320	220	C	20 U	63	24 U	22 U	330	140	20 U	24000000	510000	2000000
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	63	0 U	0 U	330	140	0 U	24000000	510000	2000000
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	0.61 J	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	6.2	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID			E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE			20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH			9	5	7	9	3	5	7	9	6	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	0.011 B	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	3.2	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	**5.3**	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	**10900**	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	1.7	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	13.6	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	8.6	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	0.59 J	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	0.017 U	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	3	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	43.7	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	**28000000**	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	630 J	140000 J	170000 J
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D
SAMPLE ID				E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06
SAMPLE DATE				20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	10	4	6	8	10	4	6
BOTTOM DEPTH				4	6	8	10	4	6	8	10	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.34 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.28 U	2.2 J	2.1 J	0.34 U	0.33 U	0.33 U	0.36 U	0.29 U	0.31 U	0.6 J
1,2,3-TRIMETHYLBENZENE	NC	NC		0.12 U	0.69 B	0.13 U	0.71 B	0.15 U	0.15 U	0.16 U	0.61 B	0.14 U	0.16 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	0.69 B	12	11	1.4 B	0.66 B	0.94 B	0.79 B	0.49 B	0.57 B	2.7 B
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.47 U	0.56 U	0.51 U	0.59 U	0.56 U	0.56 U	0.61 U	0.5 U	0.54 U	0.62 U
1,2-DICHLOROBENZENE	700000	190000	N	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.39 J
1,2-DICHLOROETHANE	7000	430	C	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U	0.32 U
1,3-DICHLOROBENZENE	23000	NC		0.25 U	0.39 J	0.5 J	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U	0.33 U
1,4-DICHLOROBENZENE	27000	2400	C	0.48 U	0.57 U	0.52 U	0.6 U	0.57 U	0.57 U	0.62 U	0.51 U	0.55 U	0.63 U
2-BUTANONE	4700000	2800000	N	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U
4-ISOPROPYLTOLUENE	NC	NC		0.15 U	0.18 U	0.16 U	0.19 U	0.18 U	0.18 U	0.2 U	0.16 U	0.17 U	0.2 U
ACETONE	7000000	6100000	N	4.8 B	5.4 U	5.4 B	7.3 B	5.4 U	8 B	5.9 U	4.8 U	5.9 B	6.2 B
BENZENE	12000	1100	C	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U	0.22 U
CARBON DISULFIDE	780000	82000	N	0.32 U	0.38 U	0.35 U	0.4 U	0.38 U	0.38 U	0.41 U	0.34 U	0.36 U	0.42 U
CARBON TETRACHLORIDE	4900	610	C	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U	0.35 U
CHLOROBENZENE	160000	29000	N	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U	0.31 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.34 U
ISOPROPYLBENZENE	780000	210000	N	0.12 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.12 U	0.13 U	0.15 U
M+P-XYLENES	1600000 [5]	63000	N[6]	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U	0.64 U
NAPHTHALENE	160000	3600	C	0.14 U	0.16 U	0.15 U	0.17 U	0.16 U	0.17 U	0.18 U	0.15 U	0.16 U	0.18 U
N-BUTYLBENZENE	NC	NC		0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U	0.22 U
O-XYLENE	1600000 [5]	380000	N	0.25 U	0.3 U	0.27 U	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U	0.33 U
SEC-BUTYLBENZENE	NC	NC		0.13 U	0.16 U	0.14 U	0.16 U	0.16 U	0.16 U	0.17 U	0.14 U	0.15 U	0.17 U
TERTIARY-BUTYL ALCOHOL	NC	NC		5.5 UR	6.6 UR	6 UR	6.9 UR	6.5 UR	6.6 UR	7.1 UR	5.8 UR	6.3 UR	7.2 UR
TETRACHLOROETHENE	1200	550	C	0.38 U	0.45 U	0.41 U	0.49 J	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U	0.49 U
TOLUENE	630000	500000	N	0.2 U	0.23 U	0.21 U	0.24 U	0.23 U	0.23 U	0.25 U	0.21 U	0.22 U	0.26 U
TOTAL XYLENES	1600000 [5]	63000	N	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U	0.64 U
TRICHLOROETHENE	1600	2800	C	0.3 U	0.36 U	0.33 U	0.38 U	0.36 U	0.36 U	0.39 U	0.32 U	0.35 U	0.4 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U	0.32 U
VINYL CHLORIDE	90	60	C	0.28 U	0.34 U	0.31 U	0.35 U	0.34 U	0.34 U	0.37 U	0.3 U	0.32 U	0.37 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ACENAPHTHENE	470000	340000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ACENAPHTHYLENE	470000	340000	N[7]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ANTHRACENE	2300000	1700000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(A)PYRENE	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
FLUORANTHENE	310000	230000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
FLUORENE	310000	230000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
NAPHTHALENE	160000	3600	C	31	43	200	65	230	3.9 U	4 U	4.1 U	4 U	4.2 U
PHENANTHRENE	2300000	170000	N[8]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
PYRENE	230000	170000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
TOTAL PAHS	NC	NC		31	43	200	65	230	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U	22 U
AROCLOR-1260	320	220	C	110	520	150	750	50	24 J	20 U	27 J	21 U	22 U
TOTAL AROCLOR	320 [9]	220	C[10]	110	520	150	750	50	24	0 U	27	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D
SAMPLE ID			E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06
SAMPLE DATE			20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	10	4	6	8	10	4	6
BOTTOM DEPTH			4	6	8	10	4	6	8	10	4	6
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 J	86 J	64 J	61 J	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][9]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833D E-SB-833D-08 20101012 NORMAL SO NORMAL SB 8 8	SB-833D E-SB-833D-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833E E-SB-833E-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833E E-SB-833E-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833F E-SB-833F-04 20101012 NORMAL SO NORMAL SB 4 4	SB-833F E-SB-833F-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833F E-SB-833F-08 20101012 NORMAL SO NORMAL SB 8 8	SB-833F E-SB-833F-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833G E-SB-833G-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833G E-SB-833G-08 20101012 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.32 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U	0.26 U	0.31 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	65	11 B	**52000 J**	910 J	340 J	380 J	320 J	150 J	2 J	4.1 J
1,2,3-TRIMETHYLBENZENE	NC	NC		0.72 B	30 J	7.7 U	34 J	0.15 U	36 J	0.14 U	0.15 U	0.12 U	0.68 B
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	110 J	52 B	**260000**	4700	1500	1800	1500	720	7.5	21
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.59 U	3.8 U	230 U	4.3 U	4.4 U	4.5 U	4.2 U	4.5 U	0.47 U	0.57 U
1,2-DICHLOROBENZENE	700000	190000	N	12	6.6 U	1900 J	110 J	57 J	81 J	71 J	42 J	0.26 U	2.1 J
1,2-DICHLOROETHANE	7000	430	C	0.31 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U	0.25 U	0.3 U
1,3-DICHLOROBENZENE	23000	NC		0.32 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	0.51 J	13
1,4-DICHLOROBENZENE	27000	2400	C	14	8.2 J	**2700 J**	140 J	89 J	110 J	93 J	58 J	1.6 J	38
2-BUTANONE	4700000	2800000	N	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U	1 U	1.2 U
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	0.15 U	0.18 U
ACETONE	7000000	6100000	N	7.1 B	240 B	16000 J	260 J	220 J	260 J	240 J	260 J	11 B	7.2 B
BENZENE	12000	1100	C	0.21 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.17 U	0.4 J
CARBON DISULFIDE	780000	82000	N	0.4 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.32 U	0.38 U
CARBON TETRACHLORIDE	4900	610	C	0.33 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	0.27 U	0.88 J
CHLOROBENZENE	160000	29000	N	0.3 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	39	120
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.32 U	5.3 U	310 U	5.9 U	6.1 U	6.3 U	5.8 U	6.2 U	0.26 U	0.31 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U	0.12 U	0.14 U
M+P-XYLENES	1600000 [5]	63000	N[6]	1.1 U	4.7 U	280 U	5.3 U	5.5 U	5.6 U	5.3 U	5.6 U	0.87 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.6 U	59 U	4800 J	66 U	68 U	70 U	110 J	69 U	0.49 U	0.58 U
NAPHTHALENE	160000	3600	C	0.17 U	5.1 U	300 U	5.8 U	5.9 U	6.1 U	5.7 U	6 U	0.14 U	0.17 U
N-BUTYLBENZENE	NC	NC		0.21 U	6.1 U	360 U	6.9 U	7.1 U	7.3 U	6.8 U	7.2 U	0.17 U	0.2 U
O-XYLENE	1600000 [5]	380000	N	0.32 U	6.5 U	390 U	7.3 U	7.5 U	7.7 U	7.2 U	7.7 U	0.25 U	0.3 U
SEC-BUTYLBENZENE	NC	NC		0.16 U	3.6 U	210 U	4 U	4.1 U	4.3 U	4 U	4.2 U	0.13 U	0.16 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.8 UR	310 J	11000 UR	210 UR	210 UR	220 UR	200 UR	220 UR	5.5 UR	6.6 UR
TETRACHLOROETHENE	1200	550	C	0.47 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.38 U	2.6 J
TOLUENE	630000	500000	N	0.24 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U	0.2 U	0.23 U
TOTAL XYLENES	1600000 [5]	63000	N	0.6 U	6.2 U	370 U	7 U	7.1 U	7.3 U	6.9 U	7.3 U	0.49 U	0.58 U
TRICHLOROETHENE	1600	2800	C	0.38 U	7.4 U	440 U	8.3 U	8.6 U	8.8 U	8.2 U	8.7 U	0.31 U	2.2 J
TRICHLOROFLUOROMETHANE	NC	79000	N	0.31 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U	0.25 U	0.3 U
VINYL CHLORIDE	90	60	C	0.35 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U	0.28 U	0.34 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ACENAPHTHENE	470000	340000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ACENAPHTHYLENE	470000	340000	N[7]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(A)PYRENE	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	26 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
FLUORANTHENE	310000	230000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
FLUORENE	310000	230000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
NAPHTHALENE	160000	3600	C	62	19	77 U	3.9 U	3.9 U	17	4.1 U	4.1 U	4.2 U	4 U
PHENANTHRENE	2300000	170000	N[8]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
PYRENE	230000	170000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
TOTAL PAHS	NC	NC		62	19	0 U	0 U	0 U	17	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U	22 U	21 U
AROCLOR-1260	320	220	C	48	22 U	**180000**	**27000**	**250**	**2300**	100	**1000**	83	77
TOTAL AROCLOR	320 [9]	220	C[10]	48	0 U	**180000**	**27000**	**250**	**2300**	100	**1000**	83	77
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G
SAMPLE ID			E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08
SAMPLE DATE			20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	10	6	10	4	6	8	10	6	8
BOTTOM DEPTH			8	10	6	10	4	6	8	10	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	**1900000 J**	7600 J	3300 U	3400 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	56 J	55 U	55 U	56 U	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J	SB-833J	SB-833J	SB-833J
SAMPLE ID					E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10
SAMPLE DATE					20101012	20101012	20101012	20101012	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					10	6	8	10	8	10	4	6	8	10
BOTTOM DEPTH					10	6	8	10	8	10	4	6	8	10
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C		0.3 U	0.27 U	19 U	0.32 U	320 U	250 U	0.33 U	0.29 U	0.3 U	14 U
1,2,3-TRICHLOROBENZENE	NC	4900	N		0.32 U	5.9	180 J	19 J	21000 J	11000 J	0.35 U	0.31 U	0.31 U	89 J
1,2,3-TRIMETHYLBENZENE	NC	NC			0.14 U	0.6 B	0.19 U	0.15 U	3.2 U	2.5 U	0.16 U	0.14 U	0.14 U	33 J
1,2,4-TRICHLOROBENZENE	78000	6200	N	[4]	0.67 B	38	970	96	110000	66000	1.1 B	1.1 B	0.46 B	520
1,2,4-TRIMETHYLBENZENE	NC	6200	N		0.55 U	0.49 U	5.7 U	0.58 U	94 U	74 U	0.6 U	0.53 U	0.54 U	4.1 U
1,2-DICHLOROBENZENE	700000	190000	N		0.6 J	3.2 J	44 J	5.3	910 J	430 J	0.33 U	0.29 U	0.3 U	7 U
1,2-DICHLOROETHANE	7000	430	C		0.29 U	0.26 U	11 U	0.3 U	190 U	150 U	0.31 U	0.28 U	0.28 U	8.1 U
1,3-DICHLOROBENZENE	23000	NC			4.3	31	160 J	5.9	2600 J	3300 J	0.32 U	0.29 U	0.29 U	18 J
1,4-DICHLOROBENZENE	27000	2400	C		18	30	140 J	9.9	2900 J	2300 J	0.61 U	0.54 U	0.55 U	20 J
2-BUTANONE	4700000	2800000	N		1.2 U	1.1 U	49 U	1.3 U	810 U	640 U	1.3 U	1.1 U	1.2 U	35 U
4-ISOPROPYLTOLUENE	NC	NC			0.18 U	0.16 U	5.4 U	0.19 U	91 U	71 U	0.19 U	0.17 U	0.17 U	3.9 U
ACETONE	7000000	6100000	N		15 B	5 B	190 U	6.6 B	4500 B	3600 B	24 B	17 B	5.2 U	200 B
BENZENE	12000	1100	C		0.34 J	0.33 J	14 U	0.21 U	230 U	180 U	0.21 U	0.19 U	0.19 U	9.7 U
CARBON DISULFIDE	780000	82000	N		0.37 U	0.33 U	14 U	0.39 U	230 U	180 U	0.4 U	0.36 U	0.36 U	9.7 U
CARBON TETRACHLORIDE	4900	610	C		0.31 U	0.28 U	7.3 U	0.33 U	120 U	95 U	0.34 U	0.3 U	0.31 U	5.2 U
CHLOROBENZENE	160000	29000	N		170	51	52 J	2 J	210 J	120 J	0.3 U	0.27 U	0.27 U	5.2 U
CIS-1,2-DICHLOROETHENE	78000	16000	N		0.3 U	0.27 U	7.8 U	0.57 J	130 U	100 U	0.33 U	0.29 U	0.3 U	5.6 U
ISOPROPYLBENZENE	780000	210000	N		0.13 U	0.12 U	7.4 U	0.14 U	120 U	96 U	0.15 U	0.13 U	0.13 U	5.3 U
M+P-XYLENES	1600000 [5]	63000	N	[6]	1 U	0.9 U	7 U	1.1 U	120 U	92 U	1.1 U	0.98 U	0.99 U	5 U
METHYLENE CHLORIDE	85000	11000	C		0.56 U	0.5 U	87 U	0.6 U	1500 U	1100 U	0.62 U	0.55 U	0.56 U	62 U
NAPHTHALENE	160000	3600	C		0.16 U	0.14 U	7.6 U	0.17 U	130 U	99 U	0.17 U	0.16 U	0.16 U	5.4 U
N-BUTYLBENZENE	NC	NC			0.19 U	0.17 U	9.1 U	0.21 U	150 U	120 U	0.21 U	0.19 U	0.19 U	6.5 U
O-XYLENE	1600000 [5]	380000	N		0.29 U	0.26 U	9.6 U	0.31 U	160 U	130 U	0.32 U	0.29 U	0.29 U	6.9 U
SEC-BUTYLBENZENE	NC	NC			0.15 U	0.14 U	5.3 U	0.16 U	89 U	70 U	0.17 U	0.15 U	0.15 U	3.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC			6.4 UR	5.7 UR	270 UR	6.8 UR	4500 UR	3600 UR	7 UR	6.2 UR	6.3 UR	620 J
TETRACHLOROETHENE	1200	550	C		0.44 U	0.69 J	14 U	2.2 J	230 U	180 U	0.48 U	0.43 U	0.43 U	9.7 U
TOLUENE	630000	500000	N		0.23 U	0.2 U	19 U	0.24 U	320 U	270 J	0.38 J	0.27 J	0.33 J	16 J
TOTAL XYLENES	1600000 [5]	63000	N		0.56 U	0.5 U	9.2 U	0.6 U	150 U	120 U	0.62 U	0.55 U	0.56 U	6.6 U
TRICHLOROETHENE	1600	2800	C		0.35 U	0.32 J	11 U	0.59 J	180 U	140 U	0.39 U	0.34 U	0.35 U	7.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N		0.29 U	0.26 U	18 U	0.3 U	300 U	240 U	0.31 U	0.28 U	0.28 U	13 U
VINYL CHLORIDE	90	60	C		0.33 U	0.29 U	20 U	0.35 U	340 U	270 U	0.36 U	0.32 U	0.32 U	15 U
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
2-METHYLNAPHTHALENE	31000	31000	N		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ACENAPHTHENE	470000	340000	N		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N	[7]	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ANTHRACENE	2300000	1700000	N		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15			3.9 U	3.9 U	3.8 U	4 U	40 U	177	3.8 U	4 U	3.9 U	4.1 U
BAP EQUIVALENT-POS	22	15	C		3.9 U	3.9 U	3.8 U	4 U	40 U	155	3.8 U	4 U	3.9 U	4.1 U
BENZO(A)ANTHRACENE	220	150	C		3.9 U	3.9 U	3.8 U	4 U	40 U	190	3.8 U	4 U	3.9 U	4.1 U
BENZO(A)PYRENE	22	15	C		3.9 U	3.9 U	3.8 U	4 U	40 U	120	3.8 U	4 U	3.9 U	4.1 U
BENZO(B)FLUORANTHENE	220	150	C		3.9 U	3.9 U	3.8 U	4 U	40 U	160	3.8 U	4 U	3.9 U	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N	[7]	3.9 U	3.9 U	3.8 U	4 U	40 U	84	3.8 U	4 U	3.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C		1.3 U	1.3 U	1.3 U	1.3 U	13 U	120	1.3 U	1.3 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
FLUORANTHENE	310000	230000	N		3.9 U	3.9 U	3.8 U	4 U	91	240	3.8 U	4 U	3.9 U	4.1 U
FLUORENE	310000	230000	N		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C		3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
NAPHTHALENE	160000	3600	C		3.9 U	23	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
PHENANTHRENE	2300000	170000	N	[8]	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
PYRENE	230000	170000	N		3.9 U	3.9 U	3.8 U	4 U	110	220	3.8 U	4 U	3.9 U	4.1 U
TOTAL PAHS	NC	NC			0 U	23	0 U	0 U	201	1134	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N	[4]	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U	20 U	20 U	21 U
AROCLOR-1260	320	220	C		20 U	20 U	20 U	21 U	220000	350000	160	39 J	70	180 J
TOTAL AROCLOR	320 [9]	220	C	[10]	0 U	0 U	0 U	0 U	220000	350000	160	39	70	180
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J	SB-833J	SB-833J	SB-833J
SAMPLE ID			E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10
SAMPLE DATE			20101012	20101012	20101012	20101012	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	6	8	10	8	10	4	6	8	10
BOTTOM DEPTH			10	6	8	10	8	10	4	6	8	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	**460000 K**	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	1600 J	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M	SB-833M	SB-833M
SAMPLE ID				E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10
SAMPLE DATE				20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	8	10	4	6	8	4	6	8	10
BOTTOM DEPTH				6	8	10	4	6	8	4	6	8	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	300 U	17 U	82 U	20 U	15 U	1600 U	0.34 U	0.28 U	0.34 U	0.31 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	22000 J	370 J	5800	420 J	230 J	77000 J	0.36 U	5.4	0.36 U	0.33 U
1,2,3-TRIMETHYLBENZENE	NC	NC		3 U	0.17 U	0.82 U	49 J	0.15 U	16 U	0.16 U	0.61 B	0.16 U	0.68 B
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	120000 J	1700 J	28000	1900	1000	410000 J	0.98 B	25	0.68 B	0.68 B
1,2,4-TRIMETHYLBENZENE	NC	6200	N	89 U	4.9 U	24 U	6 U	4.5 U	460 U	0.62 U	0.51 U	0.61 U	0.56 U
1,2-DICHLOROBENZENE	700000	190000	N	1100 J	68 J	180 J	42 J	22 J	3000 J	0.34 U	0.28 U	0.34 U	0.31 U
1,2-DICHLOROETHANE	7000	430	C	180 U	9.8 U	51 J	12 U	9 U	920 U	0.32 U	0.26 U	0.32 U	0.29 U
1,3-DICHLOROBENZENE	23000	NC		86 U	4.7 U	23 U	5.8 U	4.3 U	440 U	0.33 U	0.27 U	0.33 U	0.3 U
1,4-DICHLOROBENZENE	27000	2400	C	1500 J	98 J	250 J	67 J	27 J	4300 J	0.62 U	0.51 U	0.62 U	0.57 U
2-BUTANONE	4700000	2800000	N	770 U	71 J	210 U	52 U	110 J	3900 U	1.3 U	1.1 U	1.3 U	1.2 U
4-ISOPROPYLTOLUENE	NC	NC		86 U	4.7 U	23 U	5.8 U	4.3 U	440 U	0.2 U	0.16 U	0.2 U	0.18 U
ACETONE	7000000	6100000	N	3000 UJ	170 UJ	1100 B	280 B	190 B	16000 UJ	19 J	7.7 B	13 B	16 B
BENZENE	12000	1100	C	210 U	12 U	58 U	14 U	11 U	1100 U	0.22 U	0.18 U	0.22 U	0.2 U
CARBON DISULFIDE	780000	82000	N	210 U	12 U	58 U	14 U	11 U	1100 U	0.42 U	0.34 U	0.41 U	0.38 U
CARBON TETRACHLORIDE	4900	610	C	110 U	6.3 U	31 U	7.7 U	5.8 U	590 U	0.35 U	0.29 U	0.35 U	0.32 U
CHLOROBENZENE	160000	29000	N	110 U	6.3 U	31 U	7.7 U	12 J	4000 J	0.31 U	0.26 U	0.31 U	0.29 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	120 U	6.8 U	33 U	8.3 U	6.2 U	630 U	0.34 U	0.28 U	0.34 U	0.31 U
ISOPROPYLBENZENE	780000	210000	N	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U	0.15 U	0.12 U	0.15 U	0.14 U
M+P-XYLENES	1600000 [5]	63000	N[6]	110 U	6.1 U	30 U	14 J	5.6 U	570 U	1.1 U	0.93 U	1.1 U	1 U
METHYLENE CHLORIDE	85000	11000	C	1400 U	76 U	370 U	93 U	69 U	9000 B	0.63 U	0.52 U	0.63 U	0.58 U
NAPHTHALENE	160000	3600	C	120 U	6.6 U	32 U	8.1 U	6 U	610 U	0.18 U	0.15 U	0.18 U	0.16 U
N-BUTYLBENZENE	NC	NC		140 U	7.9 U	38 U	9.6 U	7.2 U	730 U	0.22 U	0.18 U	0.22 U	0.2 U
O-XYLENE	1600000 [5]	380000	N	150 U	8.3 U	41 U	10 U	7.7 U	780 U	0.33 U	0.27 U	0.33 U	0.3 U
SEC-BUTYLBENZENE	NC	NC		84 U	4.6 U	23 U	5.7 U	4.2 U	430 U	0.17 U	0.14 U	0.17 U	0.16 U
TERTIARY-BUTYL ALCOHOL	NC	NC		4300 UR	240 UR	1200 UR	1200 J	720 J	22000 UR	7.2 UR	5.9 UR	7.1 UR	6.6 UR
TETRACHLOROETHENE	1200	550	C	210 U	12 U	58 U	14 U	11 U	1100 U	0.49 U	0.4 U	0.49 U	0.45 U
TOLUENE	630000	500000	N	300 U	17 U	82 U	48 J	16 J	1600 U	0.29 J	0.21 J	0.39 J	0.25 J
TOTAL XYLENES	1600000 [5]	63000	N	140 U	8 U	39 U	14 J	7.3 U	740 U	0.63 U	0.52 U	0.63 U	0.58 U
TRICHLOROETHENE	1600	2800	C	170 U	9.5 U	47 U	12 U	8.8 U	890 U	0.4 U	0.33 U	0.39 U	0.36 U
TRICHLOROFLUOROMETHANE	NC	79000	N	290 U	16 U	77 U	19 U	14 U	1500 U	0.32 U	0.26 U	0.32 U	0.29 U
VINYL CHLORIDE	90	60	C	320 U	18 U	87 U	22 U	16 U	1600 U	0.37 U	0.3 U	0.37 U	0.34 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ACENAPHTHENE	470000	340000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ACENAPHTHYLENE	470000	340000	N[7]	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ANTHRACENE	2300000	1700000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BAP EQUIVALENT-HALFND	22	15		39 U	3.9 U	142	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BAP EQUIVALENT-POS	22	15	C	39 U	3.9 U	120	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(A)ANTHRACENE	220	150	C	39 U	3.9 U	220	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(A)PYRENE	22	15	C	39 U	3.9 U	85	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	39 U	3.9 U	130	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 U	1.3 U	130	1.3 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
FLUORANTHENE	310000	230000	N	39 U	3.9 U	370	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
FLUORENE	310000	230000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
NAPHTHALENE	160000	3600	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
PHENANTHRENE	2300000	170000	N[8]	39 U	3.9 U	190	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
PYRENE	230000	170000	N	39 U	3.9 U	270	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
TOTAL PAHS	NC	NC		0 U	0 U	1395	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	100000 U	4000 U	20000 U	20 U	410 U	99000 U	41 U	99 U	41 U	20 U
AROCLOR-1260	320	220	C	970000	35000	270000	73	4500	700000	240	860	590	73
TOTAL AROCLOR	320 [9]	220	C[10]	970000	35000	270000	73	4500	700000	240	860	590	73
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M	SB-833M	SB-833M
SAMPLE ID			E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10
SAMPLE DATE			20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	8	10	4	6	8	4	6	8	10
BOTTOM DEPTH			6	8	10	4	6	8	4	6	8	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	**310000 J**	NA	**590000 K**	NA	7300 J	**450000 J**	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 J	NA	76 J	NA	56 UJ	5000	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][9]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833N E-SB-833N-04 20101014 NORMAL SO NORMAL SB 4 4	SB-833N E-SB-833N-06 20101014 NORMAL SO NORMAL SB 6 6	SB-833N E-SB-833N-08 20101014 NORMAL SO NORMAL SB 8 8	SB-833N E-SB-833N-10 20101014 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)							
1,1-DICHLOROETHANE	1600000	3300	C	0.31 U	0.34 U	0.35 U	0.33 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.32 U	0.35 U	0.36 U	1.4 B
1,2,3-TRIMETHYLBENZENE	NC	NC		0.14 U	0.16 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	0.23 U	0.25 U	0.51 B	5.9 J
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.55 U	0.61 U	0.62 U	0.6 U
1,2-DICHLOROBENZENE	700000	190000	N	0.31 U	0.34 U	0.35 U	0.33 U
1,2-DICHLOROETHANE	7000	430	C	0.29 U	0.32 U	0.33 U	0.32 U
1,3-DICHLOROBENZENE	23000	NC		0.3 U	0.33 U	0.34 U	0.32 U
1,4-DICHLOROBENZENE	27000	2400	C	0.56 U	0.62 U	0.63 U	0.61 U
2-BUTANONE	4700000	2800000	N	1.5 J	1.3 U	1.3 U	1.3 U
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.2 U	0.2 U	0.19 U
ACETONE	7000000	6100000	N	18 J	5.9 U	12 J	13 J
BENZENE	12000	1100	C	0.2 U	0.21 U	0.22 U	0.21 U
CARBON DISULFIDE	780000	82000	N	0.38 U	0.41 U	0.42 U	0.41 U
CARBON TETRACHLORIDE	4900	610	C	0.32 U	0.35 U	0.35 U	0.34 U
CHLOROBENZENE	160000	29000	N	0.28 U	0.31 U	0.32 U	0.31 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.31 U	0.37 J	0.35 U	0.33 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.15 U	0.15 U	0.15 U
M+P-XYLENES	1600000 [5]	63000	N[6]	1 U	1.1 U	1.2 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.57 U	0.63 U	0.64 U	0.62 U
NAPHTHALENE	160000	3600	C	0.16 U	2.3 B	0.18 U	0.18 U
N-BUTYLBENZENE	NC	NC		0.2 U	0.21 U	0.22 U	0.21 U
O-XYLENE	1600000 [5]	380000	N	0.3 U	0.33 U	0.34 U	0.32 U
SEC-BUTYLBENZENE	NC	NC		0.15 U	0.17 U	0.17 U	0.17 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.5 UR	11 J	10 J	7 J
TETRACHLOROETHENE	1200	550	C	0.44 U	0.49 U	0.5 U	0.48 U
TOLUENE	630000	500000	N	0.32 J	0.25 U	0.41 J	0.36 J
TOTAL XYLENES	1600000 [5]	63000	N	0.57 U	0.63 U	0.64 U	0.62 U
TRICHLOROETHENE	1600	2800	C	0.36 U	0.39 U	0.4 U	0.39 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.29 U	0.32 U	0.33 U	0.32 U
VINYL CHLORIDE	90	60	C	0.33 U	0.36 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	40 U	41 U	40 U	16 U
ACENAPHTHENE	470000	340000	N	40 U	41 U	40 U	16 U
ACENAPHTHYLENE	470000	340000	N[7]	40 U	41 U	40 U	16 U
ANTHRACENE	2300000	1700000	N	40 U	41 U	40 U	16 U
BAP EQUIVALENT-HALFND	22	15		40 U	267	60	16 U
BAP EQUIVALENT-POS	22	15	C	40 U	240	16	16 U
BENZO(A)ANTHRACENE	220	150	C	40 U	41 U	40 U	16 U
BENZO(A)PYRENE	22	15	C	40 U	240	40 U	16 U
BENZO(B)FLUORANTHENE	220	150	C	40 U	41 U	160	16 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	40 U	41 U	40 U	16 U
BENZO(K)FLUORANTHENE	2200	1500	C	40 U	41 U	40 U	16 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 U	14 U	13 U	5.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	40 U	41 U	40 U	16 U
FLUORANTHENE	310000	230000	N	320	390	340	140
FLUORENE	310000	230000	N	40 U	41 U	40 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	40 U	41 U	40 U	16 U
NAPHTHALENE	160000	3600	C	40 U	41 U	40 U	16 U
PHENANTHRENE	2300000	170000	N[8]	40 U	41 U	40 U	16 U
PYRENE	230000	170000	N	110	210	160	70
TOTAL PAHS	NC	NC		430	840	660	210
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1254	320	110	N[4]	21 U	21 U	100 U	100 U
AROCLOR-1260	320	220	C	210	80	370	430
TOTAL AROCLOR	320 [9]	220	C[10]	210	80	370	430
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][9]	**USEPA Regional Screening Levels (RSLs)** [2][3]	**SB-833N E-SB-833N-04 20101014 NORMAL SO NORMAL SB 4 4**	**SB-833N E-SB-833N-06 20101014 NORMAL SO NORMAL SB 6 6**	**SB-833N E-SB-833N-08 20101014 NORMAL SO NORMAL SB 8 8**	**SB-833N E-SB-833N-10 20101014 NORMAL SO NORMAL SB 10 10**
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [3][9]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003	SB-004	SB-004	SB-010
SAMPLE ID				MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10	SB-4-05	SB-4-10	SB-10-05
SAMPLE DATE				20050517	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031118
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2-DICHLOROETHANE	7000	430	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,3-DICHLOROBENZENE	23000	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
2-BUTANONE	4700000	2800000	N	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
ACETONE	7000000	6100000	N	NA	30 J	67 UJ	17 J	11 J	12 J	66 UJ	35 J	15 J	NA
BENZENE	12000	1100	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CARBON TETRACHLORIDE	4900	610	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CHLOROBENZENE	160000	29000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
ISOPROPYLBENZENE	780000	210000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	22 U	20 U	20 U	20 U	20 U	20 U	21 U	20 U	NA
METHYLENE CHLORIDE	85000	11000	C	NA	12 J	9 J	7 U	7 U	9 J	11 J	11 J	11 J	NA
NAPHTHALENE	160000	3600	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
N-BUTYLBENZENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
O-XYLENE	1600000 [5]	380000	N	NA	22 U	20 U	20 U	20 U	20 U	20 U	21 U	20 U	NA
SEC-BUTYLBENZENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TOLUENE	630000	500000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
TRICHLOROETHENE	1600	2800	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
VINYL CHLORIDE	90	60	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
CARBAZOLE	32000	NC		NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
DIBENZOFURAN	7800	7800	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ACENAPHTHENE	470000	340000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ANTHRACENE	2300000	1700000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BAP EQUIVALENT-HALFND	22	15		NA	480 U	450 U	440 U	440 U	440 U	440 U	**531**	450 U	NA
BAP EQUIVALENT-POS	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	0.052	450 U	NA
BENZO(A)ANTHRACENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(A)PYRENE	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	480 U	450 U	440 U	440 U	440 U	440 U	50 J	450 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	52 J	450 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
FLUORANTHENE	310000	230000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
FLUORENE	310000	230000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
NAPHTHALENE	160000	3600	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
PHENANTHRENE	2300000	170000	N[8]	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
PYRENE	230000	170000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	57 J	450 U	NA
TOTAL PAHS	NC	NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	159	0 U	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
AROCLOR-1260	320	220	C	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
TOTAL AROCLOR	320 [9]	220	C[10]	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	3.6 UL	3.4 UL	3.3 UL	3.3 UL	3.3 UL	3.3 UL	3.5 UL	3.4 UL	NA
ARSENIC	0.43	0.39	C	NA	**5.5 L**	**1.8 L**	**2.1 L**	**0.87 L**	**1.5 L**	**1.6 L**	**4.9 L**	**2.4 L**	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3.6	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003	SB-004	SB-004	SB-010
SAMPLE ID			MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10	SB-4-05	SB-4-10	SB-10-05
SAMPLE DATE			20050517	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031118
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH			10	5	10	5	10	5	10	5	10	5
CADMIUM	3.9	7 N	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	26 J	13 B	3.4 B	3.3 UJ	6.6 B	5.2 B	27 J	14 B	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	45	17	3.3 U	3.3 U	3.3 U	3.3 U	17	15	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	7.7	5	3.3 U	3.3 U	3.3 U	3.3 U	4.5	4.4	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	14	30	3.3 U	3.3 U	3.3 U	3.3 U	9	8	NA
SELENIUM	39	39 N	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA
SILVER	39	39 N	NA	3.6 UR	3.4 UR	3.3 UR	3.3 UR	3.3 UR	3.3 UR	3.5 UR	3.4 UR	NA
THALLIUM	0.55	NC	NA	2.9 U	2.7 U	2.7 U	2.6 U	2.6 U	2.6 U	2.8 U	2.7 U	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	79	76	33 U	33 U	33 U	33 U	35 U	34 U	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	29000 U	27000 U	27000 U	26000 U	26000 U	26000 U	230000	27000 U	20000 U
GASOLINE RANGE ORGANICS	230000	NC	NA	140 U	130 U	130 U	130 U	490	4400	190	140 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	70	74	75	76	77	76	72	73	75
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	690 J	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019
SAMPLE ID				SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10
SAMPLE DATE				20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	5	5	5	5	5	10
BOTTOM DEPTH				5	5	5	5	5	5	5	5	5	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	1600000 (5)	63000	N	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (9)	220	C(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019
SAMPLE ID			SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10
SAMPLE DATE			20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	5	5	5	5	5	5	5	5	10
BOTTOM DEPTH			5	5	5	5	5	5	5	5	5	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	27000 U	27000 U	25000 U	25000 U	27000 U	25000 U	28000 UJ	29000 U	56000	27000 U
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	75	75	81	80	75	79	70	70	80	74
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-020	SB-020	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501
SAMPLE ID			SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810
SAMPLE DATE			20031120	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127
SAMPLE CODE	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	4	5	4	8	4	8
BOTTOM DEPTH			5	10	5	10	4	5	6	10	6	10
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	2100	14000
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	1.7 J	6 U	280 U	2900 U
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	4800	69000
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	6 U	6 U	4.4 J	6 U	280 U	2900 U
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	610 J
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	17 J	640 J
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	57 U	59 U	11 U	12 U	550 U	5800 U
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
ACETONE	7000000	6100000 N	NA	NA	NA	NA	57 U	59 U	11 U	12 U	550 U	5800 U
BENZENE	12000	1100 C	1 U	1 U	1 U	6	6 U	6 U	5.6 U	6 U	280 U	2900 U
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
M+P-XYLENES	1600000 [5]	63000 N[6]	NA	NA	NA	NA	11 U	12 U	2.1 J	12 U	550 U	5800 U
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	7 J	8 J	1.4 B	3 B	280 U	2900 U
NAPHTHALENE	160000	3600 C	1 U	1 U	1 U	1 U	6 U	6 U	2.6 B	6 U	280 U	2900 U
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	6 U	6 U	1.3 J	6 U	280 U	2900 U
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	110 UR	120 UR	5500 UR	58000 UR
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TOLUENE	630000	500000 N	1 U	1 U	1 U	1 U	6 U	6 U	0.49 J	6 U	280 U	2900 U
TOTAL XYLENES	1600000 [5]	63000 N	1 U	1 U	1 U	1 U	NA	NA	3.4 J	12 U	550 U	5800 U
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
CARBAZOLE	32000	NC	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ACENAPHTHYLENE	470000	340000 N[7]	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
FLUORENE	310000	230000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
PHENANTHRENE	2300000	170000 N[8]	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
PYRENE	230000	170000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
TOTAL PAHS	NC	NC	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N[4]	NA	NA	NA	NA	280 U	300 U	37 U	40 U	740 U	3900 U
AROCLOR-1260	320	220 C	NA	NA	NA	NA	280 U	300 U	37 U	40 U	5800	24000
TOTAL AROCLOR	320 [9]	220 C[10]	NA	NA	NA	NA	0 U	0 U	0 U	0 U	5800	24000
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	2.5 UL	2.8 U	0.091 B	0.098 B	0.068 B	0.18 J
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	1.6	1.3	0.31 L	0.73 L	1.1 L	0.94 L
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	6.2	8.5	6.5	13.8
BERYLLIUM	16	16 N	NA	NA	NA	NA	2.5 U	2.8 U	0.33	0.57	0.44	3.1

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-020	SB-020	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501
SAMPLE ID			SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810
SAMPLE DATE			20031120	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	4	5	4	8	4	8
BOTTOM DEPTH			5	10	5	10	4	5	6	10	6	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	2.5 U	2.8 U	0.0084 B	0.016	0.0056 B	0.018 K
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	10 J	5.6 K	7.4 K	10.8 K	6 K	15.7 K
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	1.2 J	1.7 J	1.7 J	**4.1 J**
COPPER	310	310 N	NA	NA	NA	NA	6.1	4.7 L	3.6 J	4.5 J	4.9 J	12.4 J
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	**9880**	**10900**	**7710**	**25800**
LEAD	400	400	NA	NA	NA	NA	4.6	2.8 UJ	1.6 J	1.3 J	1.8 J	5.1 J
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	19.6 L	18.6 L	29 L	70.4 L
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	0.1 U	0.11 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	0.13 B	0.13 B	0.17 B	0.078 UL
NICKEL	160	150 N	NA	NA	NA	NA	5.7	2.8 U	4	6.4	2.1	14.7
SELENIUM	39	39 N	NA	NA	NA	NA	2.5 U	2.8 U	0.56 L	0.24 L	0.18 UL	0.46 L
SILVER	39	39 N	NA	NA	NA	NA	2.5 UR	2.8 UL	0.036	0.04	0.026 B	0.078
THALLIUM	0.55	NC	NA	NA	NA	NA	2 U	2.3 UL	0.024 B	0.033 B	0.031 B	0.052 B
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	**10.8**	**17.3**	7.1	**20.7**
ZINC	2300	2300 N	NA	NA	NA	NA	25 UL	28 UL	5.7 J	8.4 J	7.4 J	24.8 J
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	26000 U	26000 U	28000 U	27000 U	12000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	110 U	120 U	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	15000 B	640 J	25000 B	34000 B
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77	77	73	73	NA	NA	89.3	83.3	89.5	84.7
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-502	SB-502	SB-503	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507
SAMPLE ID				SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406
SAMPLE DATE				20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071128	20071128	20071128
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	8	4	4	8	4	8	4	8	4
BOTTOM DEPTH				6	10	6	6	10	6	10	6	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	21	710	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	0.35 J	0.35 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	71	3700	6.1 U	0.95 B	0.63 B	5.8 U	0.45 B	5.8 U	6.4 U	6.2 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.8 U	290 U	0.92 B	0.95 B	1.2 B	5.8 U	6.3 U	5.8 U	1 B	6.2 U
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2-DICHLOROETHANE	7000	430	C	5.8 U	290 U	6.1 U	1.5 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,3-DICHLOROBENZENE	23000	NC		0.46 J	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
2-BUTANONE	4700000	2800000	N	12 U	580 U	12 U	11 U	4.3 J	12 U	13 U	12 U	13 U	2.6 J
4-ISOPROPYLTOLUENE	NC	NC		5.8 U	290 U	6.1 U	9	1.6 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
ACETONE	7000000	6100000	N	12 J	580 U	12 U	21 J	74 J	12 U	13 U	12 U	14 J	56 J
BENZENE	12000	1100	C	5.8 U	290 U	6.1 U	0.81 J	0.78 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CARBON DISULFIDE	780000	82000	N	5.8 U	290 U	6.1 U	1.2 J	2.4 J	5.8 U	6.3 U	5.8 U	4.2 J	6.2 U
CARBON TETRACHLORIDE	4900	610	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CHLOROBENZENE	160000	29000	N	5.8 U	290 U	6.1 U	1.8 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
ISOPROPYLBENZENE	780000	210000	N	5.8 U	290 U	6.1 U	0.82 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	580 U	12 U	11 U	12 U	12 U	13 U	12 U	13 U	12 U
METHYLENE CHLORIDE	85000	11000	C	2.7 B	290 U	3.3 B	3.4 B	3.7 B	3.1 B	2.5 B	2.3 B	1.8 B	6.5 B
NAPHTHALENE	160000	3600	C	5.8 U	290 U	6.1 U	1.3 B	2.4 B	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
N-BUTYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
O-XYLENE	1600000 [5]	380000	N	5.8 U	290 U	6.1 U	1.4 J	0.8 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
SEC-BUTYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	5800 UR	120 UR	110 UR	120 UR	120 UR	130 UR	120 UR	130 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TOLUENE	630000	500000	N	5.8 U	290 U	6.1 U	0.59 J	0.47 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TOTAL XYLENES	1600000 [5]	63000	N	12 U	580 U	12 U	2.2 J	1.5 J	12 U	13 U	12 U	13 U	12 U
TRICHLOROETHENE	1600	2800	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TRICHLOROFLUOROMETHANE	NC	79000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
VINYL CHLORIDE	90	60	C	5.8 U	290 U	6.1 U	0.64 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	390 U	3800 U	400 U	1500 U	38 J	380 U	25 J	380 U	420 U	410 U
CARBAZOLE	32000	NC		390 U	3800 U	400 U	370 J	22 J	380 U	410 U	380 U	420 U	410 U
DIBENZOFURAN	7800	7800	N	390 U	3800 U	400 U	260 J	380 U	380 U	410 U	380 U	420 U	410 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	390 U	3800 U	400 U	140 J	12 J	380 U	410 U	380 U	420 U	410 U
ACENAPHTHENE	470000	340000	N	390 U	3800 U	400 U	500 J	21 J	380 U	410 U	380 U	420 U	410 U
ACENAPHTHYLENE	470000	340000	N[7]	390 U	3800 U	400 U	1500 U	380 U	380 U	410 U	380 U	420 U	410 U
ANTHRACENE	2300000	1700000	N	390 U	3800 U	400 U	1100 J	26 J	380 U	410 U	380 U	420 U	410 U
BAP EQUIVALENT-HALFND	22	15		217	3800 U	234	2167	287	380 U	239	380 U	420 U	410 U
BAP EQUIVALENT-POS	22	15	C	22	3800 U	34	2167	97	380 U	13	380 U	420 U	410 U
BENZO(A)ANTHRACENE	220	150	C	21 J	3800 U	28 J	2000	83 J	380 U	9.7 J	380 U	420 U	410 U
BENZO(A)PYRENE	22	15	C	16 J	3800 U	26 J	1500	73 J	380 U	10 J	380 U	420 U	410 U
BENZO(B)FLUORANTHENE	220	150	C	31 J	3800 U	40 J	1900	110 J	380 U	21 J	380 U	420 U	410 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	11 J	3800 U	19 J	710 J	47 J	380 U	410 U	380 U	420 U	410 U
BENZO(K)FLUORANTHENE	2200	1500	C	9.3 J	3800 U	17 J	770 J	38 J	380 U	9.2 J	380 U	420 U	410 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 J	3800 U	29 J	1700	71 J	380 U	12 J	380 U	420 U	410 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	3800 U	400 U	200 J	380 U	380 U	410 U	380 U	420 U	410 U
FLUORANTHENE	310000	230000	N	32 J	3800 U	54 J	4900	190 J	380 U	21 J	380 U	420 U	410 U
FLUORENE	310000	230000	N	390 U	3800 U	400 U	510 J	19 J	380 U	410 U	380 U	420 U	410 U
INDENO(1,2,3-CD)PYRENE	220	150	C	10 J	3800 U	15 J	680 J	43 J	380 U	410 U	380 U	420 U	410 U
NAPHTHALENE	160000	3600	C	390 U	3800 U	400 U	330 J	22 J	380 U	410 U	380 U	420 U	410 U
PHENANTHRENE	2300000	170000	N[8]	10 J	3800 U	25 J	3900	100 J	380 U	410 U	380 U	420 U	410 U
PYRENE	230000	170000	N	20 J	3800 U	51 J	3400	120 J	380 U	17 J	380 U	420 U	410 U
TOTAL PAHS	NC	NC		173.3	0 U	304	24240	975	0 U	99.9	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	7700 U	19000 U	200 U	1900 U	380 U	38 U	210 U	38 U	42 U	41 U
AROCLOR-1260	320	220	C	49000	65000	380	11000	2300	15 J	650	38 U	20 J	41 U
TOTAL AROCLOR	320 [9]	220	C[10]	49000	65000	380	11000	2300	15	650	0 U	20	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.17 L	0.14 B	0.1 B	0.14 B	0.13 B	0.17 B	0.12 B	0.045 B	0.033 B	0.067 B
ARSENIC	0.43	0.39	C	1.3 L	0.55 L	0.42 L	2	1.2 L	1.2 L	1.7	1.6	1 L	2.3
BARIUM	1600	1500	N	6.5	3.6	2.1	50.7	89.2	21.1	16.6	17.9	9.5	20.6
BERYLLIUM	16	16	N	0.15	0.11	0.015 B	0.75	0.38	0.95	0.72	0.61	0.48	1.1

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-502	SB-502	SB-503	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507
SAMPLE ID			SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406
SAMPLE DATE			20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071128	20071128	20071128
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	8	4	4	8	4	8	4	8	4
BOTTOM DEPTH			6	10	6	6	10	6	10	6	10	6
CADMIUM	3.9	7 N	0.056	0.035	0.018	0.67	0.38 K	0.018 K	0.069 K	0.022	0.0077 B	0.038 K
CHROMIUM	12000 (11)	12000 N(11)	5.9 K	3.3 K	3.2 J	12.9 J	13.3 J	10.2 J	12.8 J	8.7 J	4.4 J	11.1 J
COBALT	NC	2.3 N	1.1 J	0.67 J	0.18	**8.6**	**4.5**	**6.3**	**4.6**	**3.3**	**2.4**	**3.3**
COPPER	310	310 N	2.3 J	1.6 J	1.9 J	12.9 J	16.6 J	14.6 J	11.7 J	7 J	4.6 J	6.8 J
IRON	5500	5500 N	**5570**	4060	1980	**15400**	**18900**	**17700**	**17000**	**8880**	**6210**	**13600**
LEAD	400	400	3.6 J	2.4 J	2.4 J	14.4 J	10.4 J	3.7 J	4 J	4.4 J	2.4 J	6.8 J
MANGANESE	160	180 N	44 L	39.7 L	3.5	88.8	**168**	34.5	31.3	41.5	29.3	44.7
MERCURY	2.3 (12)	2.3 N(13)	0.019 U	0.019 U	0.02 U	0.079	0.29	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U
MOLYBDENUM	NC	39 N	0.14 B	0.18 B	0.35 B	0.38 B	1.3 J	0.15 B	0.42 B	0.12 B	0.16 B	0.33 B
NICKEL	160	150 N	1.6	1.4	0.39 B	10.9	11.1	10.3	6.5	8.2	2.8	7.1
SELENIUM	39	39 N	0.19 UL	0.19 UL	0.19 U	0.21	0.31	0.31	0.2	0.19 U	0.2 U	0.21
SILVER	39	39 N	0.031 B	0.018 B	0.016 B	0.16	0.094	0.073	0.07	0.051	0.034 B	0.077
THALLIUM	0.55	NC	0.015 B	0.0085 B	0.011 B	0.099 K	0.21 K	0.051 B	0.04 B	0.047 B	0.027 B	0.13 K
VANADIUM	7.8	39 N(14)	7.2	4	5.3 J	**18.3 J**	**20.2 J**	**18.8 J**	**15.9 J**	**16 J**	7.6 J	**17.5 J**
ZINC	2300	2300 N	13.9 J	14.9 J	2.8	41.1	45.7	19.5	18.1	26.3	9.8	25.4
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	48000	37000	9900 J	130000 B	43000	2700 B	7000 J	17000 J	3600 J	4300 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85.7	85.8	82.1	87.2	86	85.9	79.7	86.4	78.5	81.1
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-507	SB-508	SB-508	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834
SAMPLE ID				SB-507-0810	SB-508-0406	SB-508-0406-AVG	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09
SAMPLE DATE				20071128	20071128	20071128	20071128	20071128	20071129	20071129	20100916	20100916	20100916
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	4	4	8	4	8	5	7	9
BOTTOM DEPTH				10	6	6	6	10	6	10	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	12 U	12 U	12 U	12 U	4.6 J	12 U	11 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
ACETONE	7000000	6100000	N	8 J	12 U	12 U	12 U	13 J	10 J	15 J	NA	NA	NA
BENZENE	12000	1100	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CHLOROBENZENE	160000	29000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	12 U	12 U	12 U	12 U	12 U	11 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5.3 B	7.1 B	6.25 U	5.4 B	7.2 B	4.8 B	4.3 B	NA	NA	NA
NAPHTHALENE	160000	3600	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
N-BUTYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 R	120 UR	120 UR	120 UR	110 UR	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TOLUENE	630000	500000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	12 U	12 U	12 U	12 U	12 U	12 U	11 U	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
VINYL CHLORIDE	90	60	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
CARBAZOLE	32000	NC		380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
CHRYSENE	22000	15000	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
FLUORANTHENE	310000	230000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
FLUORENE	310000	230000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
NAPHTHALENE	160000	3600	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
PYRENE	230000	170000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	38 U	39 U	39 U	39 U	40 U	38 U	38 U	23 U	20 U	22 U
AROCLOR-1260	320	220	C	38 U	39 U	39 U	39 U	40 U	38 U	38 U	**280**	23 J	24 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	**280**	23	24
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.036 B	0.11 B	0.0945 U	0.079 B	0.084 B	0.059 L	0.12 L	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.1 L**	**1.4**	**1.2**	**1 L**	**0.42 L**	**1.7 J**	**2.5 J**	NA	NA	NA
BARIUM	1600	1500	N	9.8	11.4	9.75	8.1	8.5	8.9 K	5.7 K	NA	NA	NA
BERYLLIUM	16	16	N	1.6	0.85	0.79	0.73	1.5	0.62	0.33	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-507	SB-508	SB-508	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834
SAMPLE ID			SB-507-0810	SB-508-0406	SB-508-0406-AVG	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09
SAMPLE DATE			20071128	20071128	20071128	20071128	20071128	20071129	20071129	20100916	20100916	20100916
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	4	4	8	4	8	5	7	9
BOTTOM DEPTH			10	6	6	6	10	6	10	5	7	9
CADMIUM	3.9	7 N	0.028	0.014 B	0.014 U	0.014 B	0.016 K	0.016 B	0.0087 B	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	7.5 J	9.1 J	7.9	6.7 J	13.2 J	10 J	8.3 J	NA	NA	NA
COBALT	NC	2.3 N	1.2	2.3	2	1.7	**3.5**	2.3	2.3	NA	NA	NA
COPPER	310	310 N	6.3 J	10.6 J	9.4	8.2 J	11.4 J	11.3 J	6.7 J	NA	NA	NA
IRON	5500	5500 N	3760	**17700**	**14550**	**11400**	**8540**	**10300**	**10200**	NA	NA	NA
LEAD	400	400	3.3 J	3.4 J	3.1	2.8 J	3.3 J	2.5 J	1.4 J	NA	NA	NA
MANGANESE	160	180 N	8.1	14.3 J	73.15	132 J	18.8	27.1 L	25.9 L	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	0.019 U	0.019 U	0.0195 U	0.02 U	0.02 U	0.019 UL	0.019 UL	NA	NA	NA
MOLYBDENUM	NC	39 N	0.11 B	0.13 B	0.111 U	0.092 B	0.079 UL	0.1 B	0.27 B	NA	NA	NA
NICKEL	160	150 N	4.2	6.6	6.1	5.6	10.3	5.4 J	3.9 J	NA	NA	NA
SELENIUM	39	39 N	0.56	0.32	0.35	0.38	0.21	0.3 L	0.18 UL	NA	NA	NA
SILVER	39	39 N	0.036 B	0.078	0.0785	0.079	0.05	0.042	0.032	NA	NA	NA
THALLIUM	0.55	NC	0.041 B	0.046 B	0.041 U	0.036 B	0.035 B	0.028 B	0.02 B	NA	NA	NA
VANADIUM	7.8	39 N[14]	**14.4 J**	**19.8 J**	**16.55**	**13.3 J**	**13.4 J**	**14.5 J**	**10.6 J**	NA	NA	NA
ZINC	2300	2300 N	8.5	16.8 J	13.1	9.4 J	14.8	10.7 B	6 B	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	2700 B	1900 B	1800 U	1700 B	2700 B	13000 B	5600 B	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86.3	85.6	85.35	85.1	83.1	86.3	87.4	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-835 E-SB-835-03 20100917 NORMAL SO NORMAL SB 3 3	SB-835 E-SB-835-05 20100917 NORMAL SO NORMAL SB 5 5	SB-835 E-SB-835-07 20100917 NORMAL SO NORMAL SB 7 7	SB-835 E-SB-835-09 20100917 NORMAL SO NORMAL SB 9 9	SB-836 E-SB-836-03 20100917 NORMAL SO NORMAL SB 3 3	SB-836 E-SB-836-05 20100917 NORMAL SO NORMAL SB 5 5	SB-836 E-SB-836-07 20100917 NORMAL SO NORMAL SB 7 7	SB-836 E-SB-836-09 20100917 NORMAL SO NORMAL SB 9 9	SB-837 E-SB-837-03 20100917 NORMAL SO NORMAL SB 3 3	SB-837 E-SB-837-05 20100917 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	21 U	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U
AROCLOR-1260	320	220	C	19 U	310	94	3500	23 U	22 J	20 U	22 U	18 U	19 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	310	94	3500	0 U	22	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837
SAMPLE ID			E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05
SAMPLE DATE			20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE			20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH			7	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N[4]	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220 C	21 U	59	20 U	20 U	20 U	20 U	20 U	20 U	20 U	27 J
TOTAL AROCLOR	320 [9]	220 C[10]	0 U	59	0 U	0 U	0 U	0 U	0 U	0 U	0 U	27
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID			E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE			20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH			7	9	3	5	7	9	3	5	7	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION				SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841
SAMPLE ID				E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09
SAMPLE DATE				20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	3	5	7	9
BOTTOM DEPTH				3	5	5	5	7	9	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U	20 U
AROCLOR-1260	320	220	C	18 U	20 U	20 U	20 U	20 U	19 U	19 U	35 J	68	140
TOTAL AROCLOR	320 (9)	220	C(10)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	35	68	140
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841
SAMPLE ID			E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09
SAMPLE DATE			20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	5	5	7	9	3	5	7	9
BOTTOM DEPTH			3	5	5	5	7	9	3	5	7	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844
SAMPLE ID			E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05
SAMPLE DATE			20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U	23 U	22 U
AROCLOR-1260	320	220 C	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U	23 U	120
TOTAL AROCLOR	320 (9)	220 C(10)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	120
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844
SAMPLE ID			E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05
SAMPLE DATE			20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846
SAMPLE ID				E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09
SAMPLE DATE				20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	21 U	110 U	44	18 U	20 U	94 U	20 U	18 U	20 U	21 U
AROCLOR-1260	320	220	C	21 U	400	19 U	18 U	20 U	350	20 U	18 U	20 U	21 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	400	44	0 U	0 U	350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846
SAMPLE ID			E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09
SAMPLE DATE			20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH			7	9	3	5	7	9	3	5	7	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-847 E-SB-847-03 20100913 NORMAL SO NORMAL SB 3 3	SB-847 E-SB-847-05 20100913 NORMAL SO NORMAL SB 5 5	SB-847 E-SB-847-07 20100913 NORMAL SO NORMAL SB 7 7	SB-847 E-SB-847-09 20100913 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)							
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220	C	60	20 U	20 U	20 U
TOTAL AROCLOR	320 [9]	220	C[10]	60	0 U	0 U	0 U
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][9]	**USEPA Regional Screening Levels (RSLs)** [2][3]	**SB-847 E-SB-847-03 20100913 NORMAL SO NORMAL SB 3 3**	**SB-847 E-SB-847-05 20100913 NORMAL SO NORMAL SB 5 5**	**SB-847 E-SB-847-07 20100913 NORMAL SO NORMAL SB 7 7**	**SB-847 E-SB-847-09 20100913 NORMAL SO NORMAL SB 9 9**
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511
SAMPLE ID				SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406
SAMPLE DATE				20031120	20031120	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	4	8	8	8	4
BOTTOM DEPTH				5	10	5	10	5	6	10	10	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2-DICHLOROBENZENE	700000	190000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2-DICHLOROETHANE	7000	430	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,3-DICHLOROBENZENE	23000	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,4-DICHLOROBENZENE	27000	2400	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
2-BUTANONE	4700000	2800000	N	64 U	68 U	65 U	66 U	NA	12 U	12 U	12 U	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
ACETONE	7000000	6100000	N	64 UJ	7 J	7 J	66 UJ	NA	12 U	8.9 J	8.9 J	12 U	12 J
BENZENE	12000	1100	C	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CARBON DISULFIDE	780000	82000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CARBON TETRACHLORIDE	4900	610	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CHLOROBENZENE	160000	29000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
ISOPROPYLBENZENE	780000	210000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
M+P-XYLENES	1600000 [5]	63000	N[6]	19 U	20 U	19 U	20 U	NA	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	10 J	10 J	9 J	10 J	NA	5.2 B	4.5 B	4.5 U	4.5 B	5.6 B
NAPHTHALENE	160000	3600	C	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
N-BUTYLBENZENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
O-XYLENE	1600000 [5]	380000	N	19 U	20 U	19 U	20 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
SEC-BUTYLBENZENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	120 UR	120 UR	120 R	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TOLUENE	630000	500000	N	6 U	7 U	7 U	7 U	2	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	10	12 U	12 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
VINYL CHLORIDE	90	60	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
CARBAZOLE	32000	NC		420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
DIBENZOFURAN	7800	7800	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ACENAPHTHENE	470000	340000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ACENAPHTHYLENE	470000	340000	N[7]	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ANTHRACENE	2300000	1700000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
BAP EQUIVALENT-HALFND	22	15		420 U	450 U	430 U	440 U	NA	380 U	236	230	224	413
BAP EQUIVALENT-POS	22	15	C	420 U	450 U	430 U	440 U	NA	380 U	46	38	29	1.9
BENZO(A)ANTHRACENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	34 J	28.5	23 J	8.8 J
BENZO(A)PYRENE	22	15	C	420 U	450 U	430 U	440 U	NA	380 UL	34 J	27.5	21 J	390 U
BENZO(B)FLUORANTHENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	64 J	50.5	37 J	9.8 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 U	450 U	430 U	440 U	NA	380 UL	27 J	22	17 J	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	420 U	450 U	430 U	440 U	NA	380 UL	18 J	16	14 J	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	420 U	450 U	430 U	440 U	NA	380 UL	42 J	32.5	23 J	8.7 J
DIBENZO(A,H)ANTHRACENE	22	15	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
FLUORANTHENE	310000	230000	N	420 U	450 U	430 U	440 U	NA	380 UL	78 J	62	46 J	12 J
FLUORENE	310000	230000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	24 J	20	16 J	390 U
NAPHTHALENE	160000	3600	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
PHENANTHRENE	2300000	170000	N[8]	420 U	450 U	430 U	440 U	NA	380 UL	25 J	20	15 J	390 U
PYRENE	230000	170000	N	420 U	450 U	430 U	440 U	NA	380 UL	59 J	46.5	34 J	9.2 J
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	NA	0 U	405	325.5	246	48.5
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	64 U	68 U	65 U	66 U	NA	38 U	38 U	38.5 U	39 U	39 U
AROCLOR-1260	320	220	C	64 U	68 U	65 U	66 U	NA	38 U	16 J	16 J	39 U	16 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	NA	0 U	16	8	0 U	16
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3.2 UL	3.4 UL	3.2 UL	3.3 UL	NA	0.13 L	0.17 L	0.155	0.14 L	0.0056 UL
ARSENIC	0.43	0.39	C	1.4 L	1.1 L	0.77 L	2 L	NA	0.26 J	0.36 J	0.31	0.26 J	0.58 J
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	7.1 K	7.8 K	6.9	6 K	7.7 K
BERYLLIUM	16	16	N	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.42	0.66	0.62	0.58	0.31

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511
SAMPLE ID			SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406
SAMPLE DATE			20031120	20031120	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	5	4	8	8	8	4
BOTTOM DEPTH			5	10	5	10	5	6	10	10	10	6
CADMIUM	3.9	7 N	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.018 B	0.03 K	0.01925	0.017 B	0.0075 B
CHROMIUM	12000 [11]	12000 N[11]	4.8 B	3.8 B	9.5 B	22 J	NA	8.5 J	11.7 J	10.9	10.1 J	1.5 J
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	1.2	1.9	1.95	2	0.82
COPPER	310	310 N	3.6	3.4 U	5.4	14	NA	5.5 J	6.7 J	6.75	6.8 J	4.1 J
IRON	5500	5500 N	NA	NA	NA	NA	NA	**15200**	**20900**	**19350**	**17800**	1290
LEAD	400	400	3.2 U	3.4 U	4.8	7.1	NA	1.9 J	1.7 J	1.5	1.3 J	3.2 J
MANGANESE	160	180 N	NA	NA	NA	NA	NA	27.1 L	73.6 J	48.3	23 J	2.2 L
MERCURY	2.3 [12]	2.3 N[13]	0.13 U	0.14 U	0.12 U	0.13 U	NA	0.019 UL	0.019 UL	0.019 U	0.019 UL	0.02 UL
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	0.076 UL	0.16 B	0.135 U	0.11 B	0.077 UL
NICKEL	160	150 N	4.5	4.6	4.8	21	NA	4 J	6.5 J	7.2	7.9 J	1.8 J
SELENIUM	39	39 N	3.2 U	3.4 U	3.6	3.3 U	NA	0.75 L	0.18 UL	0.185 U	0.19 UL	0.2 L
SILVER	39	39 N	3.2 UR	3.4 UR	3.2 UR	3.3 UR	NA	0.061 K	0.069 K	0.067	0.065	0.035
THALLIUM	0.55	NC	2.5 U	2.7 U	2.6 U	2.7 U	NA	0.024 B	0.025 B	0.023 U	0.021 B	0.045 B
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	**13 J**	**15.8 J**	**16.35**	**16.9 J**	2.2 J
ZINC	2300	2300 N	32 U	34 U	32 U	33 U	NA	5.9 B	9.8 B	8.05	11.2	5.2 B
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	25000 U	27000 U	26000 U	27000 U	26000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	130 U	140 U	130 U	130 U	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	4700 B	10000 B	8200 U	6400 B	1600 B
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	78	74	77	75	77	86.9	86.6	86.15	85.7	85.3
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-511	SB-512	SB-512	SB-512	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514
SAMPLE ID				SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG
SAMPLE DATE				20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH				10	6	10	10	10	6	10	6	10	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,3-TRIMETHYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2-DICHLOROBENZENE	700000	190000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2-DICHLOROETHANE	7000	430	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,3-DICHLOROBENZENE	23000	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,4-DICHLOROBENZENE	27000	2400	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
2-BUTANONE	4700000	2800000	N	13 U	11 U	13 U	13 U	13 U	2.7 J	12 U	9.3 J	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
ACETONE	7000000	6100000	N	19 J	11 U	20 J	16	12 J	69 J	26 J	130 J	38 J	43.5
BENZENE	12000	1100	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CARBON DISULFIDE	780000	82000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CARBON TETRACHLORIDE	4900	610	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CHLOROBENZENE	160000	29000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
ISOPROPYLBENZENE	780000	210000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
M+P-XYLENES	1600000 [5]	63000	N[6]	13 U	11 U	13 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	5.7 B	6.2 B	4.8 B	4.75 U	4.7 B	4.4 B	5.5 B	5.9 B	5.8 B	4.5 U
NAPHTHALENE	160000	3600	C	6.3 U	5.7 U	110 J	80.5	51 J	5.9 U	5.8 U	6 U	5.9 U	5.9 U
N-BUTYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
O-XYLENE	1600000 [5]	380000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
SEC-BUTYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TERTIARY-BUTYL ALCOHOL	NC	NC		130 UR	110 UR	130 UR	130 R	130 UR	120 UR	120 UR	120 UR	120 UR	120 R
TETRACHLOROETHENE	1200	550	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TOLUENE	630000	500000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TOTAL XYLENES	1600000 [5]	63000	N	13 U	11 U	13 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
VINYL CHLORIDE	90	60	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	380 U	410 U	415 U	420 U	390 U	390 U	400 U	28 J	26
CARBAZOLE	32000	NC		410 U	380 U	410 U	415 U	420 U	390 U	390 U	400 U	390 U	390 U
DIBENZOFURAN	7800	7800	N	410 U	380 U	410 U	91 J	91 J	390 U	390 U	400 U	390 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	410 U	380 U	410 U	63 J	63 J	390 U	390 U	400 U	390 U	390 U
ACENAPHTHENE	470000	340000	N	410 U	380 U	410 U	35 J	35 J	390 U	390 U	400 U	390 U	390 U
ACENAPHTHYLENE	470000	340000	N[7]	410 U	380 U	410 U	18 J	18 J	390 U	390 U	400 U	390 U	390 U
ANTHRACENE	2300000	1700000	N	410 U	380 U	410 U	58 J	58 J	390 U	390 U	400 U	390 U	390 U
BAP EQUIVALENT-HALFND	22	15		410 U	380 U	303	379	456	432	390 U	400 U	390 U	390 U
BAP EQUIVALENT-POS	22	15	C	410 U	380 U	96	276	456	1	390 U	400 U	390 U	390 U
BENZO(A)ANTHRACENE	220	150	C	410 U	380 U	63 J	171.5	280 J	390 U	390 U	400 U	390 U	390 U
BENZO(A)PYRENE	22	15	C	410 U	380 U	75 J	192.5	310 J	390 U	390 U	400 U	390 U	390 U
BENZO(B)FLUORANTHENE	220	150	C	410 U	380 U	98 J	234	370 J	10 J	390 U	400 U	390 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	380 U	68 J	159	250 J	390 U	390 U	400 U	390 U	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	380 U	410 U	150 J	150 J	390 U	390 U	400 U	390 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	410 U	380 U	79 J	219.5	360 J	390 U	390 U	400 U	390 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	380 U	410 U	61 J	61 J	390 U	390 U	400 U	390 U	390 U
FLUORANTHENE	310000	230000	N	9.2 J	380 U	120 J	360	600 J	390 U	390 U	400 U	390 U	390 U
FLUORENE	310000	230000	N	410 U	380 U	410 U	17 J	17 J	390 U	390 U	400 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	380 U	48 J	114	180 J	390 U	390 U	400 U	390 U	390 U
NAPHTHALENE	160000	3600	C	410 U	380 U	410 U	65 J	65 J	390 U	390 U	400 U	390 U	390 U
PHENANTHRENE	2300000	170000	N[8]	410 U	380 U	90 J	320	550 J	390 U	390 U	400 U	390 U	390 U
PYRENE	230000	170000	N	410 U	380 U	140 J	425	710 J	390 U	390 U	400 U	390 U	390 U
TOTAL PAHS	NC	NC		9.2	0 U	781	2429	4077	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	41 U	38 U	41 U	41.5 U	42 U	39 U	39 U	40 U	39 U	39 U
AROCLOR-1260	320	220	C	41 U	38 U	18 J	35.5	53 J	39 U	39 U	40 U	39 U	39 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	18	35.5	53	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.006 UL	0.15 L	0.083 L	0.1115	0.14 L	0.056 L	0.0056 UL	0.092 L	0.22 L	0.2
ARSENIC	0.43	0.39	C	0.35 J	0.59 J	0.76 J	1.08	1.4 L	2.3 J	0.46 J	0.39 J	1.3 J	0.86
BARIUM	1600	1500	N	6.4 K	12.5 K	17.9 J	25.2	32.5 J	8.9 K	1.9 K	12.4 K	11.6 K	11.45
BERYLLIUM	16	16	N	0.42	0.96	0.77	0.735	0.7	0.3	0.076	2.7	3.7	3

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514
SAMPLE ID			SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG
SAMPLE DATE			20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE			NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH			10	6	10	10	10	6	10	6	10	10
CADMIUM	3.9	7 N	0.011 B	0.019 K	0.55	0.3085	0.067 K	0.009 B	0.0037 B	0.029 K	0.024 K	0.057
CHROMIUM	12000 [11]	12000 N[11]	4 J	8.5 J	8.9 J	9	9.1 J	7.8 J	2.3 J	11.7 J	11.1 J	10.9
COBALT	NC	2.3 N	1	**3**	2.2	2.15	2.1 J	**4**	0.98	**9.1**	**8.8**	**7.65**
COPPER	310	310 N	4.7 J	10.3 J	11.3 J	10.25	9.2 L	3.5 J	1 J	16.1 J	11.7 J	11.05
IRON	5500	5500 N	3240	**15200**	**9820**	**9510**	**9200**	**8600**	2310	**40100**	**51200**	**42200**
LEAD	400	400	2.2 J	3.6 J	8.6 J	8.15	7.7 L	3.2 J	0.71 J	3.5 J	5.6 J	4.6
MANGANESE	160	180 N	4.8 L	33.5 L	68.2 L	107.1	146 J	47 L	8.8 L	**280 L**	**225 L**	**205.5**
MERCURY	2.3 [12]	2.3 N[13]	0.021 UL	0.019 UL	0.021 UL	0.021 U	0.021 UL	0.02 UL	0.019 UL	0.02 UL	0.02 UL	0.02 U
MOLYBDENUM	NC	39 N	0.083 UL	0.08 B	0.28 B	0.295 U	0.31 B	0.094 B	0.077 UL	0.08 UL	0.09 B	0.12 U
NICKEL	160	150 N	2.6 J	11.5 J	8 J	7.4	6.8 L	2.8 J	0.76 J	16.7 J	15.9 J	15.1
SELENIUM	39	39 N	0.2 UL	0.53 L	0.54 L	0.435	0.33 L	0.19 UL	0.19 UL	0.19 UL	0.19 UL	0.19 U
SILVER	39	39 N	0.03	0.066	0.057	0.0635	0.07	0.03	0.0079 B	0.089	0.11 K	0.098
THALLIUM	0.55	NC	0.028 B	0.053 B	0.033 B	0.028 K	0.028 K	0.035 B	0.0052 B	0.041 B	0.061 B	0.041 K
VANADIUM	7.8	39 N[14]	7.5 J	**12.6 J**	**12.4 J**	**13.6**	**14.8 J**	**12.3 J**	3 J	**15.2 J**	**16.5 J**	**13.85**
ZINC	2300	2300 N	7 B	12	13.5	14.6	15.7	9.3 B	5.5 B	35.3	62.3	50
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	7200 B	6100 B	21000 B	16750	23000	8400 B	990 B	9100 B	8300 B	5500 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	79.9	87.7	79.7	79.55	79.4	85.2	85.6	82.7	84.4	84.6
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518	SB-519	SB-519	SB-520
SAMPLE ID				SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406
SAMPLE DATE				20071129	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071130	20071130
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	8	4	8	4	8	4	8	4
BOTTOM DEPTH				10	6	10	6	10	6	10	6	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.9 U	0.69 J	0.69 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	1.1 B	6.5 U	5.8 U	5.8 U	6.1 U
1,2-DICHLOROBENZENE	700000	190000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2-DICHLOROETHANE	7000	430	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,3-DICHLOROBENZENE	23000	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,4-DICHLOROBENZENE	27000	2400	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
ACETONE	7000000	6100000	N	49 J	16 J	12 U	12 U	8.4 J	24 J	14 J	9 J	14 J	9.9 J
BENZENE	12000	1100	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CARBON DISULFIDE	780000	82000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CARBON TETRACHLORIDE	4900	610	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CHLOROBENZENE	160000	29000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.9 U	9.7	6 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
ISOPROPYLBENZENE	780000	210000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	3.2 B	5.5 B	4.9 B	4.4 B	3.7 B	4.2 B	5.7 B	6.1 B	5.1 B	5.8 B
NAPHTHALENE	160000	3600	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	0.69 B	5.8 U	6.1 U
N-BUTYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
O-XYLENE	1600000 [5]	380000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
SEC-BUTYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 UR	120 UR	120 UR	120 UR	130 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TOLUENE	630000	500000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TOTAL XYLENES	1600000 [5]	63000	N	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TRICHLOROFLUOROMETHANE	NC	79000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
VINYL CHLORIDE	90	60	C	5.9 U	3.5 J	0.48 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 J	400 U	410 U	400 U	30 J	400 U	430 U	380 U	380 U	400 U
CARBAZOLE	32000	NC		390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
DIBENZOFURAN	7800	7800	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ACENAPHTHENE	470000	340000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ACENAPHTHYLENE	470000	340000	N[7]	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ANTHRACENE	2300000	1700000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
BAP EQUIVALENT-HALFND	22	15		390 U	400 U	455	400 U	240	400 U	430 U	380 U	380 U	400 U
BAP EQUIVALENT-POS	22	15	C	390 U	400 U	1.4	400 U	40	400 U	430 U	380 U	380 U	400 U
BENZO(A)ANTHRACENE	220	150	C	390 U	400 U	410 U	400 U	29 J	400 U	430 U	380 U	380 U	400 U
BENZO(A)PYRENE	22	15	C	390 U	400 U	410 U	400 U	30 J	400 U	430 U	380 U	380 U	400 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	400 U	14 J	400 U	48 J	400 U	430 U	380 U	380 U	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	400 U	410 U	400 U	21 J	400 U	430 U	380 U	380 U	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	400 U	410 U	400 U	16 J	400 U	430 U	380 U	380 U	400 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	400 U	410 U	400 U	32 J	400 U	430 U	380 U	380 U	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
FLUORANTHENE	310000	230000	N	390 U	400 U	410 U	400 U	57 J	400 U	430 U	380 U	380 U	400 U
FLUORENE	310000	230000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	400 U	410 U	400 U	17 J	400 U	430 U	380 U	380 U	400 U
NAPHTHALENE	160000	3600	C	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
PHENANTHRENE	2300000	170000	N[8]	390 U	400 U	410 U	400 U	25 J	400 U	430 U	380 U	380 U	400 U
PYRENE	230000	170000	N	390 U	400 U	410 U	400 U	48 J	400 U	430 U	380 U	380 U	400 U
TOTAL PAHS	NC	NC		0 U	0 U	14	0 U	323	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	39 U	40 U	41 U	40 U	40 U	40 U	43 U	38 U	38 U	40 U
AROCLOR-1260	320	220	C	39 U	40 U	19 J	40 U	190	40 U	43 U	38 U	38 U	40 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	19	0 U	190	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.18 J	0.17 J	0.11 B	0.26 J	0.2 L	0.21 J	0.037 B	0.18 J	0.078 B	0.082 B
ARSENIC	0.43	0.39	C	0.42 L	0.62 L	0.22 L	0.55 L	0.75 L	2.2 L	0.43 L	0.61 L	1.2 L	1.2 L
BARIUM	1600	1500	N	11.3	7.8	10.4	8.2	12.9	13.3	4.3	10.9	1.6	9
BERYLLIUM	16	16	N	2.3	3.3	4.4	2.4	1.5	1.4	0.48	1.2	0.65	1.9

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518	SB-519	SB-519	SB-520
SAMPLE ID			SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406
SAMPLE DATE			20071129	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071130	20071130
SAMPLE CODE			DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	8	4	8	4	8	4	8	4
BOTTOM DEPTH			10	6	10	6	10	6	10	6	10	6
CADMIUM	3.9	7 N	0.09 K	0.012 B	0.02 K	0.019 K	0.12 K	0.15 K	0.0051 B	0.037 K	0.0092 B	0.031 K
CHROMIUM	12000 [11]	12000 N[11]	10.7 J	9.1 J	10.6 J	7.7 J	11.3 J	13.2 J	4.4 J	7.7 J	4.5 J	9.4 J
COBALT	NC	2.3 N	**6.5 J**	**4.3 J**	**6.2 J**	**4.9 J**	**4.6 J**	**3.7 J**	**2.8 J**	**2.8 J**	1.6 J	**5.3 J**
COPPER	310	310 N	10.4 L	28.7 L	11.2 L	14.7 L	15.2 L	16.2 L	6.7 L	10.2 L	12.4 L	7.5 L
IRON	5500	5500 N	**33200**	**28700**	**22600**	**28700**	**18400**	**23400**	**8620**	**18300**	**9720**	**14200**
LEAD	400	400	3.6 L	2.8 L	3.2 L	3.5 L	7.9 L	4 L	2 L	3.4 L	1.2 L	3.6 L
MANGANESE	160	180 N	**186 L**	106 L	**277 L**	93.3 L	53 L	45.5 L	28.1 L	26.1 L	21.3 L	41.7 L
MERCURY	2.3 [12]	2.3 N[13]	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.02 UL	0.02 UL	0.022 UL	0.019 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39 N	0.15 B	0.16 B	0.083 B	0.08 UL	0.3 B	0.19 B	0.086 UL	0.093 B	0.089 B	0.094 B
NICKEL	160	150 N	14.3 L	18.7 L	11.9 L	16.3 L	11.2 L	9.3 L	3.8 L	9.7 L	2.6 L	14.4 L
SELENIUM	39	39 N	0.19 UL	0.19 UL	0.2 UL	1.8 L	0.58 L	0.61 L	0.21 UL	0.57 L	0.19 UL	0.23 L
SILVER	39	39 N	0.086 K	0.087 K	0.079	0.12	0.073	0.088	0.036	0.087	0.047	0.067
THALLIUM	0.55	NC	0.041 K	0.034 K	0.038 K	0.046 K	0.035 K	0.048 K	0.02 B	0.043 K	0.008 B	0.042 K
VANADIUM	7.8	39 N[14]	**11.2 J**	**13.5 J**	**11.5 J**	**12.7 J**	**15.1 J**	**21.1 J**	6.9 J	**11.5 J**	5.1 J	**16.6 J**
ZINC	2300	2300 N	37.7	58	28.6	19.1	41.3	26.7	19.8	20.2	13.1	30.4
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	2700 B	2000 B	2200 B	1600 B	1800 B	1800 B	1700 B	1500 B	1300 B	1300 B
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.8	82.6	80.8	82.5	82.6	83.1	76.9	86.1	86.2	82.4
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548
SAMPLE ID				SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3
SAMPLE DATE				20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	3	4	3	4	4	3	4	3
BOTTOM DEPTH				10	4	3	4	3	4	4	3	4	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.48 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5.1 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	29	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**424**	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	8.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	9.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	15 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		56.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	40 U	20 U	20 U	20 U	19 U	19 U	20 U	NA	NA	19 U
AROCLOR-1260	320	220	C	40 U	20 U	20 U	20 U	19 U	19 U	20 U	NA	NA	19 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA	NA	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.13 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.3 L**	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548
SAMPLE ID			SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3
SAMPLE DATE			20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	3	4	3	4	4	3	4	3
BOTTOM DEPTH			10	4	3	4	3	4	4	3	4	3
CADMIUM	3.9	7 N	0.031 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	6.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	**3.6 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	8.4 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	**13500**	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	2.5 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	32 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	0.02 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	0.14 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	8.3 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	0.19 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	0.021 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	**13.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	21	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	1100 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	82.9	NA	84	82	NA	NA	84	87	85	86
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-548	SB-550A	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556
SAMPLE ID				SB-548-4	SB-550A-3	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4
SAMPLE DATE				20081023	20081111	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	3	4	3	4	4	6	8	10	4
BOTTOM DEPTH				4	3	4	3	4	4	6	8	10	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	19 U	20 U	20 U	NA	NA	9800	18 U	19 U	20 U	NA
AROCLOR-1260	320	220	C	19 U	20 U	20 U	NA	NA	7800	18 U	250	20 U	NA
TOTAL AROCLOR	320 (9)	220	C(10)	0 U	0 U	0 U	NA	NA	17600	0 U	250	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-548	SB-550A	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556
SAMPLE ID			SB-548-4	SB-550A-3	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4
SAMPLE DATE			20081023	20081111	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	3	4	3	4	4	6	8	10	4
BOTTOM DEPTH			4	3	4	3	4	4	6	8	10	4
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	88	84	81	86	85	91	92	87	82	83
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559
SAMPLE ID				SB-556-6	SB-556-8	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6
SAMPLE DATE				20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH				6	8	4	6	8	4	6	8	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	NA	NA	27	NA	NA	19 U	NA	NA	18 U	19 U
AROCLOR-1260	320	220	C	NA	NA	18 U	NA	NA	140	NA	NA	18 U	19 U
TOTAL AROCLOR	320 (9)	220	C(10)	NA	NA	27	NA	NA	140	NA	NA	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559
SAMPLE ID			SB-556-6	SB-556-8	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6
SAMPLE DATE			20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH			6	8	4	6	8	4	6	8	4	6
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85	86	91	86	86	87	86	81	94	88
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID				SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE				20081022	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH				8	4	4	6	8	6	8	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	19 U	NA	18 U	180	19 U	19 U	NA	NA	NA
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	NA	0 U	180	0 U	0 U	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID			SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE			20081022	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH			8	4	4	6	8	6	8	4	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87	89	89	91	88	87	88	89	86	87
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID				SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE				20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH				4	6	8	4	4	4	6	8	4	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U	19 U
AROCLOR-1260	320	220	C	20 U	NA	NA	19 U	19 U	700	20 U	20 U	19 U	89 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	NA	NA	0 U	0 U	700	0 U	0 U	0 U	89
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID			SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE			20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH			4	6	8	4	4	4	6	8	4	4
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84	86	86	86	90	88	82	83	89	88
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID				SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE				20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH				4	4	6	8	10	6	8	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U	20 U	19 U
AROCLOR-1260	320	220	C	66	43 J	NA	NA	20 U	19 U	19 U	4000	33	300
TOTAL AROCLOR	320 [9]	220	C[10]	66	43	NA	NA	0 U	0 U	0 U	4000	33	300
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID			SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE			20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH			4	4	6	8	10	6	8	4	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87.5	87	88	88	85	87	90	88	83	87
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-570 SB-570-4 20081022 NORMAL SO NORMAL SB 4 4	SB-570 SB-570-6 20081022 NORMAL SO NORMAL SB 6 6	SB-570 SB-570-8 20081022 NORMAL SO NORMAL SB 8 8	SB-570A SB-570A-10 20081111 NORMAL SO NORMAL SB 10 10	SB-570A SB-570A-6 20081111 NORMAL SO NORMAL SB 6 6	SB-570A SB-570A-8 20081111 NORMAL SO NORMAL SB 8 8	SB-571 SB-571-4 20081023 NORMAL SO NORMAL SB 4 4
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[4]	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1260	320	220	C	**390**	NA	NA	34	19 U	19 U	18 U
TOTAL AROCLOR	320 [9]	220	C[10]	**390**	NA	NA	34	0 U	0 U	0 U
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID				SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE				20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	10	6	8	4
BOTTOM DEPTH				4	6	8	10	6	8	4
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		92	86	88	94	88	90	90
MISCELLANEOUS PARAMETERS (MG/KG)										
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
5 - The value is for xylenes.
6 - The value is for xylene, mixture.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	12 U	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
2-HEXANONE	12 U	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	NA	NA	NA	NA	NA	NA
ACETONE	45 J	NA	NA	NA	NA	NA	NA
BENZENE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	2.7 B	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
STYRENE	5.9 U	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
TRICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	5.9 U	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	390 U	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	NA	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	NA	NA	NA	NA	NA	NA
ACETOPHENONE	79 U	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	NA	NA	NA	NA	NA	NA
CARBAZOLE	390 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	NA	NA	NA	NA	NA	NA
ISOPHORONE	390 U	NA	NA	NA	NA	NA	NA
NITROBENZENE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
PHENOL	390 U	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	390 U	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
BENZO(A)PYRENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
FLUORENE	390 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	NA	NA	NA	NA	NA	NA
PYRENE	390 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1221	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1232	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1242	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1248	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1254	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1260	39 U	710	38 J	20 U	19 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	710	38	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	0.26 K	NA	NA	NA	NA	NA	NA
ARSENIC	1.7	NA	NA	NA	NA	NA	NA
BARIUM	12.8	NA	NA	NA	NA	NA	NA
BERYLLIUM	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	0.043 K	NA	NA	NA	NA	NA	NA
CHROMIUM	14.1 J	NA	NA	NA	NA	NA	NA
COBALT	3.3	NA	NA	NA	NA	NA	NA
COPPER	12.4 J	NA	NA	NA	NA	NA	NA
IRON	34200	NA	NA	NA	NA	NA	NA
LEAD	5.8 J	NA	NA	NA	NA	NA	NA
MANGANESE	69.9	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.22 B	NA	NA	NA	NA	NA	NA
NICKEL	12.1	NA	NA	NA	NA	NA	NA
SELENIUM	0.8	NA	NA	NA	NA	NA	NA
SILVER	0.1 K	NA	NA	NA	NA	NA	NA
THALLIUM	0.056 K	NA	NA	NA	NA	NA	NA
VANADIUM	17.4 J	NA	NA	NA	NA	NA	NA
ZINC	17.5	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1100 J	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	84.3	89	NA	NA	86	85	84

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	24 U	28 U	25 U	26 U	25 U	24 U	26 U	25 U
AROCLOR-1221	19 U	18 U	22 U	19 U	20 U	19 U	18 U	19 U	19 U
AROCLOR-1232	16 U	16 U	19 U	17 U	17 U	16 U	16 U	17 U	17 U
AROCLOR-1242	15 U	15 U	18 U	15 U	16 U	15 U	15 U	16 U	16 U
AROCLOR-1248	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1254	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1260	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	26 U	24 U	28 U	25 U	25 U	26 U	25 U
AROCLOR-1221	19 U	19 U	20 U	19 U	22 U	19 U	19 U	20 U	19 U
AROCLOR-1232	16 U	17 U	17 U	16 U	19 U	17 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	16 U	15 U	18 U	15 U	16 U	16 U	15 U
AROCLOR-1248	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
AROCLOR-1260	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	27 U	26 U	26 U	25 U	25 U	25 U	1300 UJ	53 U
AROCLOR-1221	19 U	20 U	20 U	20 U	19 U	19 U	19 U	1000 UJ	41 U
AROCLOR-1232	17 U	18 U	17 U	17 U	17 U	17 U	17 U	890 UJ	36 U
AROCLOR-1242	15 U	16 U	16 U	16 U	15 U	16 U	16 U	830 UJ	33 U
AROCLOR-1248	20 U	22 U	21 U	21 U	20 U	20 U	20 U	1100 UJ	43 U
AROCLOR-1254	20 U	22 U	21 U	21 U	20 U	20 U	20 U	1100 UJ	43 U
AROCLOR-1260	20 U	22 U	21 U	21 U	20 U	20 U	20 U	15000 J	180 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15000	180
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	260 J	NA	NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	220 J	NA	NA	84 U	NA	NA	NA
C1-FLUORENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	350 J	NA	NA	84 U	NA	NA	NA
C2-FLUORENES	NA	NA	280 J	NA	NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	230 J	NA	NA	84 U	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	280 J	NA	NA	84 U	NA	NA	NA
C3-FLUORENES	NA	NA	230 J	NA	NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	310 J	NA	NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	420 J	NA	NA	84 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	250 J	NA	NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	1600 J	NA	NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	390 J	NA	NA	84 U	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	120 U	30 U	27 U	27 U	26 U	26 U	25 U	25 U	25 U
AROCLOR-1221	95 U	23 U	21 U	20 U	20 U	20 U	19 U	19 U	19 U
AROCLOR-1232	83 U	20 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	77 U	18 U	17 U	17 U	16 U	16 U	16 U	16 U	16 U
AROCLOR-1248	100 U	24 U	22 U	22 U	21 U	21 U	20 U	20 U	20 U
AROCLOR-1254	100 U	24 U	22 U	22 U	21 U	21 U	20 U	20 U	20 U
AROCLOR-1260	280	61	40 J	22 UJ	33 J	21 UJ	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	280	61	40	0 U	33	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	3800 J	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	54 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	26 U	25 U	25 U	25 U	24.5 U	24 U	26 U	27 U
AROCLOR-1221	21 U	20 U	19 U	19 U	19 U	18.5 U	18 U	20 U	21 U
AROCLOR-1232	18 U	18 U	17 U	17 U	17 U	16.5 U	16 U	17 U	18 U
AROCLOR-1242	17 U	16 U	16 U	16 U	15 U	15 U	15 U	16 U	17 U
AROCLOR-1248	22 U	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
AROCLOR-1254	22 U	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
AROCLOR-1260	33 J	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	150 J	NA	NA	88 U	NA	NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NA	250 J	NA	NA	88 U	NA	NA	79 U	NA
C1-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	120 J	NA	NA	88 U	NA	NA	79 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	2500 U	27 U	140 U	28 U	24 U	25 U	25 U	24 U
AROCLOR-1221	21 U	1900 U	20 U	110 U	21 U	19 U	19 U	19 U	18 U
AROCLOR-1232	18 U	1600 U	18 U	94 U	18 U	16 U	17 U	17 U	16 U
AROCLOR-1242	17 U	1500 U	17 U	87 U	17 U	15 U	16 U	15 U	15 U
AROCLOR-1248	22 U	2000 U	22 U	110 U	22 U	20 U	21 U	20 U	20 U
AROCLOR-1254	22 U	2000 U	22 U	110 U	22 U	20 U	21 U	20 U	20 U
AROCLOR-1260	33 J	61000	32 J	350	27 J	20 U	190	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	61000	32	350	27	0 U	190	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	25 U	25 U	26 U	25.5 U	25 U	25 U	25 U	25 U
AROCLOR-1221	20 U	19 U	19 U	20 U	19.5 U	19 U	19 U	19 U	19 U
AROCLOR-1232	18 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	16 U
AROCLOR-1242	17 U	15 U	15 U	16 U	15.5 U	15 U	16 U	15 U	15 U
AROCLOR-1248	22 U	20 U	20 U	21 U	20.5 U	20 U	20 U	20 U	20 U
AROCLOR-1254	22 U	20 U	20 U	21 U	20.5 U	20 U	20 U	20 U	20 U
AROCLOR-1260	26 J	20 U	20 U	53 J	181.5	310 J	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	26	0 U	0 U	53	181.5	310	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	24 U	26 U	25 U	24 U	120 U	25 U	24 U	25 U
AROCLOR-1221	20 U	18 U	20 U	19 U	18 U	93 U	19 U	19 U	19 U
AROCLOR-1232	17 U	16 U	17 U	17 U	16 U	82 U	17 U	16 U	17 U
AROCLOR-1242	16 U	15 U	16 U	15 U	15 U	76 U	16 U	15 U	15 U
AROCLOR-1248	21 U	20 U	21 U	20 U	19 U	99 U	21 U	20 U	20 U
AROCLOR-1254	21 U	20 U	21 U	20 U	19 U	99 U	21 U	20 U	20 U
AROCLOR-1260	21 U	20 U	51	20 U	19 U	240	21 U	20 U	670
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	51	0 U	0 U	240	0 U	0 U	670
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	25 U	25 U	24 U	25 U	26 U	25.5 U	25 U
AROCLOR-1221	19 U	19 U	19 U	19 U	18 U	19 U	20 U	19.5 U	19 U
AROCLOR-1232	17 U	17 U	17 U	17 U	16 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	15 U	15 U	15 U	15 U	16 U	16 U	16 U	16 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	21 U	21 U	20.5 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	21 U	21 U	20.5 U	20 U
AROCLOR-1260	20 U	20 U	20 U	20 U	20 U	62	21 U	20.5 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	62	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	25 U	26 U	25 U	25 U	140 U	25 U	24 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	110 U	19 U	19 U
AROCLOR-1232	17 U	17 U	17 U	18 U	17 U	17 U	95 U	17 U	16 U
AROCLOR-1242	16 U	16 U	15 U	16 U	15 U	15 U	88 U	16 U	15 U
AROCLOR-1248	21 U	20 U	20 U	21 U	20 U	20 U	110 U	20 U	20 U
AROCLOR-1254	21 U	20 U	20 U	21 U	20 U	20 U	110 U	20 U	20 U
AROCLOR-1260	21 U	20 U	20 U	170	20 U	20 U	590	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	170	0 U	0 U	590	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	27 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	20 U	21 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	18 U	18 U	16 U	17 U	17 U	17 U	17 U
AROCLOR-1242	17 U	17 U	15 U	16 U	16 U	15.5 U	15 U
AROCLOR-1248	22 U	22 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	22 U	22 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	22 U	22 U	20 U	20 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818
SAMPLE ID				SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15
SAMPLE DATE				20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	12	14	16	12	14	16	11	13	15
BOTTOM DEPTH				12	12	14	16	12	14	16	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	39 U	710	38 J	20 U	19 U	20 U	20 U	20 U	20 U	23 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	710	38	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.26 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	12.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.043 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	14.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	12.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	34200	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		5.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	69.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.1 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.056 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	17.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		1100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.3	89	NA	NA	86	85	84	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822
SAMPLE ID				E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11
SAMPLE DATE				20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	21 U	20 U	19 U	21 U	20 U	20 U	20 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID			E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH			13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	23 U	20 U	21 U	21 U	20 U	20 U	22 U	21 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID			E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15
SAMPLE DATE			20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH			15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	260 J	NA	NA	84 U
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	85 U	NA	NA	220 J	NA	NA	84 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	86 U	NA	NA	84 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	350 J	NA	NA	84 U
C2-FLUORENES	NC	NC	NA	NA	NA	85 U	NA	NA	280 J	NA	NA	84 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	230 J	NA	NA	84 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	280 J	NA	NA	84 U
C3-FLUORENES	NC	NC	NA	NA	NA	85 U	NA	NA	230 J	NA	NA	84 U
C3-NAPHTHALENES	NC	NC	NA	NA	NA	85 U	NA	NA	310 J	NA	NA	84 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	420 J	NA	NA	84 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	250 J	NA	NA	84 U
C4-NAPHTHALENES	NC	NC	NA	NA	NA	85 U	NA	NA	1600 J	NA	NA	84 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	390 J	NA	NA	84 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	20 U	15000 J	180 J	280	61	40 J	22 UJ	33 J	21 UJ
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	15000	180	280	61	40	0 U	33	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	3800 J	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831
SAMPLE ID			E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D
SAMPLE DATE			20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	11	11	13	15	11	13	15	15	15
BOTTOM DEPTH			11	11	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	20 U	20 U	33 J	21 U	20 U	20 U	20 U	19.5 U	19 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	0 U	33	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-832	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835
SAMPLE ID				E-SB-832-11	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15
SAMPLE DATE				20100917	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	11	13	15	11	13	15
BOTTOM DEPTH				11	13	15	11	11	13	15	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	150 J	NA	NA	88 U	NA	NA	79 U
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	250 J	NA	NA	88 U	NA	NA	79 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	120 J	NA	NA	88 U	NA	NA	79 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C2-FLUORENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-FLUORENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-NAPHTHALENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-NAPHTHALENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	21 U	22 U	33 J	61000	32 J	350	27 J	20 U	190	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	33	61000	32	350	27	0 U	190	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID			E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE			20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH			11	13	15	11	13	13	13	15	11	13
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	26 J	20 U	20 U	53 J	181.5	**310 J**	20 U	20 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	26	0 U	0 U	53	181.5	**310**	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID				E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15
SAMPLE DATE				20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	21 U	20 U	51	20 U	19 U	240	21 U	20 U	670	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	51	0 U	0 U	240	0 U	0 U	670	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-843
SAMPLE ID				E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D	E-SB-843-13	E-SB-843-15
SAMPLE DATE				20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	11	13	15	11	11	11	13	15
BOTTOM DEPTH				11	11	11	13	15	11	11	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	20 U	20 U	20 U	62	21 U	20.5 U	20 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	0 U	0 U	62	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847
SAMPLE ID			E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11
SAMPLE DATE			20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH			11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	170	20 U	20 U	590	20 U	20 U	22 U	22 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	170	0 U	0 U	590	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-847	SB-847	SB-847	SB-847
SAMPLE ID			E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE			20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB
TOP DEPTH			13	15	15	15
BOTTOM DEPTH			13	15	15	15
VOLATILES (UG/KG)						
ACETONE	7000000	6100000 N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220 C	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for PCB (total).
5 - The value is for polychlorinated biphenyls (high risk).
6 - The value is for trivalent chromium.
7 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	23	1.5 U	1190	150	184
BAP EQUIVALENT-POS	NA	NA	22	1.5 U	1190	150	184
BENZO(A)ANTHRACENE	NA	NA	17	1.1 U	890	100	110
BENZO(A)PYRENE	NA	NA	17	1.5 U	810	89	130
BENZO(B)FLUORANTHENE	NA	NA	21	1.4 U	1200	140	150
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	12	1.9 U	390	46	91
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	19	1 U	860	100	150
DIBENZO(A,H)ANTHRACENE	NA	NA	1.6 U	1.5 U	120	30	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	11	1.7 U	460	66	81
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	97	0 U	4730	571	731
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	23 U	25 U	24 U
AROCLOR-1221	NA	NA	NA	NA	18 U	19 U	18 U
AROCLOR-1232	NA	NA	NA	NA	16 U	17 U	16 U
AROCLOR-1242	NA	NA	NA	NA	14 U	16 U	15 U
AROCLOR-1248	NA	NA	NA	NA	19 U	20 U	20 U
AROCLOR-1254	NA	NA	NA	NA	19 U	20 U	20 U
AROCLOR-1260	NA	NA	NA	NA	120	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	120	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	1.5 L	1 L	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-13
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	95	50001	2.6	602	1.6 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	95	49963	0.85	602	1.6 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	57	42000	8.5	390	1.1 U	NA	NA	NA	NA
BENZO(A)PYRENE	55	38000	1.6 U	410	1.6 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	58	55000	1.5 U	580	1.5 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	24	23000	2.1 U	250	2.1 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	73	33000	1.1 U	340	1.1 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	25	76 U	1.6 U	67	1.6 U	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	36	20000	1.9 U	250	1.8 U	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	328	211000	8.5	2287	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	17 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	16 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	21 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	21 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	21 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.035	0.22	0.02 U	0.58
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	1267	20
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	1267	19
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	760	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	870	16
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	1200	8.9
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	390	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	790	8.1
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	150	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	460	15
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	4620	59
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.2 L	2.7 L	1.2	2.2	0.36	0.31 L	0.38 L	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	163	410	1412	7120	6757	1186	6953	2075	1.4 U
BAP EQUIVALENT-POS	163	410	1412	7120	6757	1186	6953	2075	1.4 U
BENZO(A)ANTHRACENE	130	290	790	5700	4900	900	6200	1700	1 U
BENZO(A)PYRENE	110	270	950	4800	4700	820	4600	1400	1.4 U
BENZO(B)FLUORANTHENE	140	400	1200	7000	6200	1100	6500	1900	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	58	130	540	2500	2200	390	2800	870	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	110	300	890	5200	4900	840	5300	1500	0.97 U
DIBENZO(A,H)ANTHRACENE	19	53	200	750	660	120	790	230	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	64	160	570	2700	2600	410	2600	750	1.6 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	631	1603	5140	28650	26160	4580	28790	8350	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	24 U	NA	NA	23 U
AROCLOR-1221	19 U	NA	NA	NA	NA	18 U	NA	NA	17 U
AROCLOR-1232	16 U	NA	NA	NA	NA	16 U	NA	NA	15 U
AROCLOR-1242	15 U	NA	NA	NA	NA	15 U	NA	NA	14 U
AROCLOR-1248	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
AROCLOR-1254	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
AROCLOR-1260	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	79	74	1364	41	289	9111	1495	1.5 U	57
BAP EQUIVALENT-POS	78	73	1364	41	289	9111	1495	1.5 U	56
BENZO(A)ANTHRACENE	62	52	960	31	190	7400	1100	1.1 U	42
BENZO(A)PYRENE	59	55	860	32	200	6300	1000	1.5 U	44
BENZO(B)FLUORANTHENE	88	88	1300	38	290	8900	1200	1.4 U	48
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	32	29	1.6 U	19	95	3500	620	2 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	66	57	840	33	190	6300	980	1 U	48
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	210	1.5 U	30	840	200	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	34	37	670	15	100	3000	580	1.7 U	24
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	341	318	4840	168	1095	36240	5680	0 U	246
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	18 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	16 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	15 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7	708	118	1.4 U	70	26715	111	112	369
BAP EQUIVALENT-POS	0.012	708	118	1.4 U	70	26715	111	112	369
BENZO(A)ANTHRACENE	1.1 U	360	77	1 U	39	18000	68	79	260
BENZO(A)PYRENE	1.5 U	490	70	1.4 U	47	17000	66	78	240
BENZO(B)FLUORANTHENE	1.4 U	630	110	1.3 U	58	28000	96	110	330
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	300	32	1.9 U	25	9.3 U	45	47	120
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	12	400	99	0.99 U	44	15000	68	92	240
DIBENZO(A,H)ANTHRACENE	1.5 U	87	25	1.4 U	9.4	4000	24	11	55
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	290	40	1.7 U	32	11000	40	40	140
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	2557	453	0 U	254.4	93000	407	457	1385
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	23	284	3838	283	5140	2.2 U	2.2 U	4.1	14
BAP EQUIVALENT-POS	23	284	3838	283	5140	2.2 U	2.2 U	3.1	13
BENZO(A)ANTHRACENE	13	160	2500	170	3400	1.2 U	1.3 U	1.2 U	8.8
BENZO(A)PYRENE	15	180	2600	180	3500	2.2 U	2.2 U	3.1 J	9.9
BENZO(B)FLUORANTHENE	24	300	3100	240	4500	1.6 U	1.6 U	1.6 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	7.9 U	1600	97	1700	1.6 U	1.7 U	1.6 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	180	2400	170	3300	1.4 U	1.4 U	1.4 U	8.9
DIBENZO(A,H)ANTHRACENE	2.8 J	44	500	49	620	1.7 U	1.8 U	1.7 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	12	140	1600	120	2100	0.43 U	0.44 U	0.43 U	8.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	79.8	1004	14300	1026	19120	0 U	0 U	3.1	49.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	24 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	18 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	16 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	15 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	19 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	19 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	55	3.7 U	3.9 U	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	46	3.7 U	3.9 U	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	340	3.7 U	3.9 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	15 U	3.7 U	3.9 U	NA	NA
ANTHRACENE	NA	NA	NA	NA	680	3.7 U	3.9 U	NA	NA
BAP EQUIVALENT-HALFND	342	228	505	19	3496	3.7 U	13	NA	NA
BAP EQUIVALENT-POS	342	228	505	18	3496	3.7 U	11	NA	NA
BENZO(A)ANTHRACENE	260	150	350	16	2300	3.7 U	8.1	NA	NA
BENZO(A)PYRENE	230	150	340	13	2400	3.7 U	9	NA	NA
BENZO(B)FLUORANTHENE	330	200	430	30	2800	3.7 U	11	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	1700	3.7 U	3.9 U	NA	NA
BENZO(K)FLUORANTHENE	120	96	190	8.4	1400	3.7 U	3.9 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	3700 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	5800 J	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	1600 J	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	1300 J	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	950 J	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	470 J	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CHRYSENE	250	160	350	15	2400	1.2 U	11	NA	NA
DIBENZO(A,H)ANTHRACENE	38	33	65	1.5 U	430	3.7 U	3.9 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	4900	11	17	NA	NA
FLUORENE	NA	NA	NA	NA	370	3.7 U	3.9 U	NA	NA
INDENO(1,2,3-CD)PYRENE	140	89	200	1.7 U	1400	3.7 U	3.9 U	NA	NA
NAPHTHALENE	NA	NA	NA	NA	140	3.7 U	3.9 U	NA	NA
PHENANTHRENE	NA	NA	NA	NA	2600	3.7 U	8	NA	NA
PYRENE	NA	NA	NA	NA	4200	9.1	17	NA	NA
TOTAL PAHS	1368	878	1925	82.4	28106	20.1	81.1	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	1 L	0.18 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-802
SAMPLE ID	F-SB-802-SS
SAMPLE DATE	20100910
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SS
TOP DEPTH	1
BOTTOM DEPTH	1
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	NA
1,1,1-TRICHLOROETHANE	NA
1,1,2,2-TETRACHLOROETHANE	NA
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA
1,1-DICHLOROETHANE	NA
1,1-DICHLOROETHENE	NA
1,1-DICHLOROPROPENE	NA
1,2,3-TRICHLOROBENZENE	NA
1,2,3-TRICHLOROPROPANE	NA
1,2,3-TRIMETHYLBENZENE	NA
1,2,4-TRICHLOROBENZENE	NA
1,2,4-TRIMETHYLBENZENE	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA
1,2-DIBROMOETHANE	NA
1,2-DICHLOROBENZENE	NA
1,2-DICHLOROETHANE	NA
1,2-DICHLOROPROPANE	NA
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,3-DICHLOROPROPANE	NA
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	NA
2-BUTANONE	NA
2-CHLOROETHYL VINYL ETHER	NA
2-CHLOROTOLUENE	NA
2-HEXANONE	NA
4-CHLOROTOLUENE	NA
4-ISOPROPYLTOLUENE	NA
4-METHYL-2-PENTANONE	NA
ACETONE	NA
BENZENE	NA
BROMOBENZENE	NA
BROMOCHLOROMETHANE	NA
BROMODICHLOROMETHANE	NA
BROMOFORM	NA
BROMOMETHANE	NA
CARBON DISULFIDE	NA
CARBON TETRACHLORIDE	NA
CHLOROBENZENE	NA
CHLORODIBROMOMETHANE	NA
CHLOROETHANE	NA
CHLOROFORM	NA
CHLOROMETHANE	NA
CIS-1,2-DICHLOROETHENE	NA
CIS-1,3-DICHLOROPROPENE	NA
DIBROMOMETHANE	NA
DICHLORODIFLUOROMETHANE	NA
DIISOPROPYL ETHER	NA
ETHYL TERT-BUTYL ETHER	NA
ETHYLBENZENE	NA
FLUORODICHLOROMETHANE	NA
HEXACHLOROBUTADIENE	NA
ISOPROPYLBENZENE	NA
M+P-XYLENES	NA
METHYL TERT-BUTYL ETHER	NA
METHYLENE CHLORIDE	NA
NAPHTHALENE	NA
N-BUTYLBENZENE	NA
N-PROPYLBENZENE	NA
O-XYLENE	NA
SEC-BUTYLBENZENE	NA
STYRENE	NA
TERT-AMYL METHYL ETHER	NA
TERT-BUTYLBENZENE	NA
TERTIARY-BUTYL ALCOHOL	NA
TETRACHLOROETHENE	NA
TOLUENE	NA
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	NA
TRANS-1,2-DICHLOROETHENE	NA
TRANS-1,3-DICHLOROPROPENE	NA
TRICHLOROETHENE	NA
TRICHLOROFLUOROMETHANE	NA
VINYL ACETATE	NA

LOCATION	SB-802
SAMPLE ID	F-SB-802-SS
SAMPLE DATE	20100910
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SS
TOP DEPTH	1
BOTTOM DEPTH	1
VINYL CHLORIDE	NA
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	NA
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA
2,4,5-TRICHLOROPHENOL	NA
2,4,6-TRICHLOROPHENOL	NA
2,4-DICHLOROPHENOL	NA
2,4-DIMETHYLPHENOL	NA
2,4-DINITROPHENOL	NA
2,4-DINITROTOLUENE	NA
2,6-DINITROTOLUENE	NA
2-CHLORONAPHTHALENE	NA
2-CHLOROPHENOL	NA
2-METHYLPHENOL	NA
2-NITROANILINE	NA
2-NITROPHENOL	NA
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	NA
3-NITROANILINE	NA
4,6-DINITRO-2-METHYLPHENOL	NA
4-BROMOPHENYL PHENYL ETHER	NA
4-CHLORO-3-METHYLPHENOL	NA
4-CHLOROANILINE	NA
4-CHLOROPHENYL PHENYL ETHER	NA
4-METHYLPHENOL	NA
4-NITROANILINE	NA
4-NITROPHENOL	NA
ACETOPHENONE	NA
ANILINE	NA
ATRAZINE	NA
AZOBENZENE	NA
BENZALDEHYDE	NA
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	NA
BIS(2-CHLOROETHYL)ETHER	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA
BUTYL BENZYL PHTHALATE	NA
CAPROLACTAM	NA
CARBAZOLE	NA
DIBENZOFURAN	NA
DIETHYL PHTHALATE	NA
DIMETHYL PHTHALATE	NA
DI-N-BUTYL PHTHALATE	NA
DI-N-OCTYL PHTHALATE	NA
HEXACHLOROBENZENE	NA
HEXACHLOROBUTADIENE	NA
HEXACHLOROCYCLOPENTADIENE	NA
HEXACHLOROETHANE	NA
ISOPHORONE	NA
NITROBENZENE	NA
N-NITROSODIMETHYLAMINE	NA
N-NITROSO-DI-N-PROPYLAMINE	NA
N-NITROSODIPHENYLAMINE	NA
PENTACHLOROPHENOL	NA
PHENOL	NA
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	NA
ACENAPHTHENE	NA
ACENAPHTHYLENE	NA
ANTHRACENE	NA
BAP EQUIVALENT-HALFND	NA
BAP EQUIVALENT-POS	NA
BENZO(A)ANTHRACENE	NA
BENZO(A)PYRENE	NA
BENZO(B)FLUORANTHENE	NA
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	NA
BENZO(K)FLUORANTHENE	NA
C1-CHRYSENES	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-802**
SAMPLE ID	**F-SB-802-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**1**
BOTTOM DEPTH	**1**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-802
SAMPLE ID	F-SB-802-SS
SAMPLE DATE	20100910
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SS
TOP DEPTH	1
BOTTOM DEPTH	1
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	NA
DIBENZO(A,H)ANTHRACENE	NA
FLUORANTHENE	NA
FLUORENE	NA
INDENO(1,2,3-CD)PYRENE	NA
NAPHTHALENE	NA
PHENANTHRENE	NA
PYRENE	NA
TOTAL PAHS	NA
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	NA
4,4'-DDE	NA
4,4'-DDT	NA
ALDRIN	NA
ALPHA-BHC	NA
ALPHA-CHLORDANE	NA
AROCLOR-1016	NA
AROCLOR-1221	NA
AROCLOR-1232	NA
AROCLOR-1242	NA
AROCLOR-1248	NA
AROCLOR-1254	NA
AROCLOR-1260	NA
BETA-BHC	NA
DELTA-BHC	NA
DIELDRIN	NA
ENDOSULFAN I	NA
ENDOSULFAN II	NA
ENDOSULFAN SULFATE	NA
ENDRIN	NA
ENDRIN ALDEHYDE	NA
ENDRIN KETONE	NA
GAMMA-BHC (LINDANE)	NA
GAMMA-CHLORDANE	NA
HEPTACHLOR	NA
HEPTACHLOR EPOXIDE	NA
METHOXYCHLOR	NA
TOTAL AROCLOR	NA
TOXAPHENE	NA
METALS (MG/KG)	
ANTIMONY	NA
ARSENIC	NA
BARIUM	NA
BERYLLIUM	NA
CADMIUM	NA
CHROMIUM	NA
COBALT	NA
COPPER	NA
IRON	NA
LEAD	NA
MANGANESE	NA
MERCURY	0.017 UR
MOLYBDENUM	NA
NICKEL	NA
SELENIUM	NA
SILVER	NA
THALLIUM	NA
VANADIUM	NA
ZINC	NA
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	NA
GASOLINE RANGE ORGANICS	NA
TPH (C09-C36)	NA
TPH (C10-C32)	NA
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	NA
TOTAL SOLIDS	NA
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	NA

LOCATION	**SB-802**
SAMPLE ID	**F-SB-802-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**1**
BOTTOM DEPTH	**1**
TOTAL ORGANIC CARBON	NA
MISCELLANEOUS PARAMETERS (S.U.)	
PH	NA
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA
RADIONUCLIDES (PCI/G)	
ACTINIUM-228	NA
ALUMINUM-26	NA
AMERICIUM-241	NA
ANTIMONY-124	NA
ANTIMONY-125	NA
BERYLLIUM-7	NA
BISMUTH-212	NA
BISMUTH-214	NA
CERIUM-139	NA
CERIUM-144	NA
CESIUM-134	NA
CESIUM-137	NA
CHROMIUM-51	NA
COBALT-56	NA
COBALT-57	NA
COBALT-58	NA
COBALT-60	NA
EUROPIUM-152	NA
EUROPIUM-154	NA
EUROPIUM-155	NA
IODINE-131	NA
IRON-59	NA
LEAD-212	NA
LEAD-214	NA
MANGANESE-54	NA
NIOBIUM-94	NA
NIOBIUM-95	NA
POTASSIUM-40	NA
PROTACTINIUM-234	NA
RADIUM-226	NA
RUTHENIUM-106	NA
SCANDIUM-46	NA
SILVER-110	NA
SODIUM-22	NA
THALLIUM-208	NA
THORIUM-227	NA
THORIUM-234	NA
URANIUM-235	NA
ZINC-65	NA

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,1-TRICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2,2-TETRACHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2-TRICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,4-TRIMETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DIBROMOETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3,5-TRIMETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-BUTANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
2-CHLOROETHYL VINYL ETHER	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-CHLOROTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-HEXANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
4-CHLOROTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
4-ISOPROPYLTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
4-METHYL-2-PENTANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
ACETONE	89 J	55 UJ	61 UJ	60 UJ	53 UJ	NA	53 UJ
BENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOCHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMODICHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOFORM	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CARBON DISULFIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CARBON TETRACHLORIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLORODIBROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROFORM	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CIS-1,2-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CIS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DIBROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DICHLORODIFLUOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
M+P-XYLENES	13 U	11 U	12 U	12 U	11 U	NA	11 U
METHYL TERT-BUTYL ETHER	7 U	6 U	6 U	6 U	5 U	NA	5 U
METHYLENE CHLORIDE	11 B	6 U	6 U	6 U	5 U	NA	5 U
NAPHTHALENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
N-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
N-PROPYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
O-XYLENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
SEC-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
STYRENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRANS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRICHLOROFLUOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
VINYL ACETATE	7 U	6 U	6 U	6 U	5 U	NA	5 U

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
VINYL CHLORIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	430 U	380 U	400 U	400 U	360 U	NA	350 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4,5-TRICHLOROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2,4,6-TRICHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DICHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DIMETHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DINITROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2,4-DINITROTOLUENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,6-DINITROTOLUENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-CHLORONAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-CHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2-NITROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
3&4-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
3,3'-DICHLOROBENZIDINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
3-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	870 U	930 U	910 U	830 U	NA	820 U
4-BROMOPHENYL PHENYL ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLORO-3-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLOROANILINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLOROPHENYL PHENYL ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
4-NITROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
ACETOPHENONE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BIS(2-CHLOROETHYL)ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BUTYL BENZYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
CAPROLACTAM	430 U	380 U	400 U	400 U	360 U	NA	350 U
CARBAZOLE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIBENZOFURAN	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIETHYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIMETHYL PHTHALATE	430 U	60 J	400 U	400 U	360 U	NA	350 U
DI-N-BUTYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DI-N-OCTYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROBENZENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROBUTADIENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROCYCLOPENTADIENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROETHANE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ISOPHORONE	430 U	380 U	400 U	400 U	360 U	NA	350 U
NITROBENZENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
N-NITROSODIPHENYLAMINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
PENTACHLOROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
PHENOL	430 U	420	400 U	400 U	360 U	NA	350 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ACENAPHTHENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ACENAPHTHYLENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ANTHRACENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BAP EQUIVALENT-HALFND	430 U	380 U	298	400 U	401	NA	313
BAP EQUIVALENT-POS	430 U	380 U	78	400 U	4.8	NA	121
BENZO(A)ANTHRACENE	430 U	380 U	74 J	400 U	44 J	NA	110 J
BENZO(A)PYRENE	430 U	380 U	63 J	400 U	360 U	NA	99 J
BENZO(B)FLUORANTHENE	430 U	380 U	66 J	400 U	360 U	NA	94 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 U	380 U	400 U	400 U	360 U	NA	70 J
BENZO(K)FLUORANTHENE	430 U	380 U	57 J	400 U	37 J	NA	110 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	430 U	380 U	77 J	400 U	55 J	NA	130 J
DIBENZO(A,H)ANTHRACENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
FLUORANTHENE	57 J	380 U	170 J	400 U	84 J	NA	270 J
FLUORENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
INDENO(1,2,3-CD)PYRENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
NAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
PHENANTHRENE	44 J	380 U	92 J	400 U	74 J	NA	160 J
PYRENE	430 U	380 U	110 J	400 U	110 J	NA	160 J
TOTAL PAHS	101	0 U	709	0 U	404	NA	1203
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	42 U
4,4'-DDE	NA	NA	NA	NA	NA	NA	42 U
4,4'-DDT	NA	NA	NA	NA	NA	NA	42 U
ALDRIN	NA	NA	NA	NA	NA	NA	42 U
ALPHA-BHC	NA	NA	NA	NA	NA	NA	42 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	42 U
AROCLOR-1016	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1221	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1232	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1242	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1248	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1254	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1260	320 U	280 U	300 U	300 U	270 U	NA	260 U
BETA-BHC	NA	NA	NA	NA	NA	NA	42 U
DELTA-BHC	NA	NA	NA	NA	NA	NA	42 U
DIELDRIN	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	42 U
ENDRIN	NA	NA	NA	NA	NA	NA	42 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	42 U
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	42 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	42 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	42 U
HEPTACHLOR	NA	NA	NA	NA	NA	NA	42 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	42 U
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	42 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	1000 U
METALS (MG/KG)							
ANTIMONY	3 U	2.6 U	2.8 U	2.7 U	2.7 UR	2.4 U	2.7 UR
ARSENIC	1.3	2.2	3.4	0.6	2.3 L	3.2	1.5 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3 U	2.6 U	2.8 U	5	2.7 U	2.4 U	2.7 U
CADMIUM	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL
CHROMIUM	8.1	13	18	18	8.7 L	9.4	13 L
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	4.9 K	5.3	36	15	4.4 K	17	74
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	3 U	5.4	67	5.9	4.5 J	33	420 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	0.1 U	1.4	0.11 U	0.11 UL	0.42	0.11 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	4.6 K	7.1	14	27	4.5 K	8.5	13
SELENIUM	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL
SILVER	3.2 U	3.4	2.9 U	2.9 U	2.7 UR	2.3 U	2.7 UR
THALLIUM	2.4 UL	2 U	2.2 U	2.2 UL	2.2 UL	1.9 U	2.1 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	30 U	26 U	120	48 K	27 UL	100	58 J
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	13000 U	11000 U	12000 U	12000 U	10000 U	NA	13000
GASOLINE RANGE ORGANICS	130 U	110 U	120 U	1200	110 U	NA	110 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DIBROMOETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-BUTANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-CHLOROTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-HEXANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
4-CHLOROTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
4-METHYL-2-PENTANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
ACETONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
BENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOCHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMODICHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOFORM	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CARBON DISULFIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CARBON TETRACHLORIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLORODIBROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROFORM	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DIBROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
M+P-XYLENES	16 U	13 U	11 U	12 U	11 UJ	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
METHYLENE CHLORIDE	8 U	7 U	5 U	6 U	8 J	NA	NA	NA	NA
NAPHTHALENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
N-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
N-PROPYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
O-XYLENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
SEC-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
STYRENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
VINYL ACETATE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
VINYL CHLORIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DINITROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-CHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2-NITROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3&4-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1300 U	10000 U	8200 U	960 U	880 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLOROANILINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
4-NITROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
ACETOPHENONE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
CAPROLACTAM	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
CARBAZOLE	560 U	4500 U	3600 U	190 J	380 U	NA	NA	NA	NA
DIBENZOFURAN	560 U	4500 U	3600 U	54 J	380 U	NA	NA	NA	NA
DIETHYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	560 U	4500 U	3600 U	53 J	380 U	NA	NA	NA	NA
HEXACHLOROBENZENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROETHANE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ISOPHORONE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
NITROBENZENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PENTACHLOROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
PHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ACENAPHTHENE	560 U	4500 U	3600 U	160 J	380 U	NA	NA	NA	NA
ACENAPHTHYLENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ANTHRACENE	560 U	4500 U	3600 U	380 J	380 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	560 U	4189	2874	2132	380 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	560 U	1939	1074	2132	380 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	560 U	1800 J	880 J	1600	380 U	NA	NA	NA	NA
BENZO(A)PYRENE	560 U	1500 J	850 J	1600	380 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	560 U	1600 J	890 J	1800	380 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	560 U	1000 J	3600 U	1000 J	380 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	560 U	1500 J	1000 J	1600	380 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	560 U	2300 J	1100 J	1700	380 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	560 U	4500 U	3600 U	75 J	380 U	NA	NA	NA	NA
FLUORANTHENE	560 U	3400 J	2000 J	3300	380 U	NA	NA	NA	NA
FLUORENE	560 U	4500 U	3600 U	130 J	380 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	560 U	820 J	360 J	990	380 U	NA	NA	NA	NA
NAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PHENANTHRENE	560 U	1600 J	1100 J	1600	380 U	NA	NA	NA	NA
PYRENE	560 U	4000 J	1400 J	2500	380 U	NA	NA	NA	NA
TOTAL PAHS	0 U	19520	9580	18435	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
4,4'-DDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
4,4'-DDT	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALPHA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALPHA-CHLORDANE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
AROCLOR-1016	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1221	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1232	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1242	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1248	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1254	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1260	410 U	800	1400	300 U	280 U	NA	NA	NA	NA
BETA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
DELTA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
DIELDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN I	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN II	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN SULFATE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN ALDEHYDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN KETONE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
GAMMA-CHLORDANE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
HEPTACHLOR	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
METHOXYCHLOR	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
TOTAL AROCLOR	0 U	800	1400	0 U	0 U	NA	NA	NA	NA
TOXAPHENE	820 U	1300 U	1100 U	1200 U	570 U	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	4 UR	3.1 UR	2.6 UR	3 UR	2.9 UR	2 L	0.5 L	4 L	0.4 L
ARSENIC	2.9 L	1.8 L	2.1 L	2 L	2 L	4	3	5	3 B
BARIUM	NA	NA	NA	NA	NA	83	36	68	42
BERYLLIUM	4 U	3.1 UL	2.6 UL	3 UL	2.9 UL	0.7	1.4	0.6	1.6
CADMIUM	4 UL	3.5 L	4.5 L	3 UL	2.9 UL	0.4	0.3	0.3	0.4
CHROMIUM	14 L	110	25	14	9.3 K	19.8	17.7	185	19.8
COBALT	NA	NA	NA	NA	NA	5.8	6.8	5.1	5.6
COPPER	11	21 L	21 L	34 L	5.1 L	22	14	33	12
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	6.3 J	73 L	65 L	100 L	3.2 L	51	11	63	8 B
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.16 UL	0.68	0.97	0.15	0.12 U	0.92 L	0.29 L	0.35	0.06
MOLYBDENUM	NA	NA	NA	NA	NA	0.6 B	0.4 B	63	0.6 B
NICKEL	5.1 K	11	11	8.1	5.4 K	12	12	18	12
SELENIUM	4 UL	3.1 UL	2.6 UL	3 UL	2.9 UL	2 U	2	4	2
SILVER	4 UR	3.1 UR	2.6 UR	3 UR	2.9 UR	0.9	0.04 U	1.4	0.05 U
THALLIUM	3.2 UL	2.5 UL	2 UL	2.4 UL	2.3 UL	1 U	0.8 U	0.8 U	0.9 U
VANADIUM	NA	NA	NA	NA	NA	31	29.9	41.9	31
ZINC	40 UL	100 K	92 K	81 K	29 U	82	35	99	28
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	17000 U	150000	67000	12000 U	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	170 U	130 U	110 U	120 U	110 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	0.4 U	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	8.2	8.1	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	0.734 J	0.071 J	1.467 J	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	4.4 U	5.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	4.37 U	5.18 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	109 UR	129 UR	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	2.87 J	3.14 J	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	2.2 UR	2.6 UR	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	8.75 U	10.4 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	8.7 U	10.4 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	27.2 J	31 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	0.72 J	7.1	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	4.4 U	5.2 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.3 J	5.2 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	9 U	10 U	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	1.9 J	1.2 J	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	6.6 U	7.8 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	395 U	371 U	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	598 U	562 UJ	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	802 U	752 U	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	120 U	112 UJ	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	802 UR	752 UR	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	802 U	752 U	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	203 U	40 J	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	120 U	112 UJ	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1000 U	943 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	83.7 U	78.6 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	84 U	54 J	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	140	424	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	98	424	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	75 J	241 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	74 J	245 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	90	254 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	75 J	344 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	87	225 J	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	92	287 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	84 U	100 J	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	142	546	NA	NA	NA	NA	NA	NA	NA
FLUORENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	67 J	274 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	58 J	249	NA	NA	NA	NA	NA	NA	NA
PYRENE	120	685 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	880	3504	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	39 U	154	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	154	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.3 UL	1 L	0.6 L	0.8 L	0.9 L	1 L	0.8 L	0.7 L	0.9 L
ARSENIC	3	3	3 B	1 B	5	3 B	4	2 B	3 B
BARIUM	41	86	30	37	40	40	27	31	36
BERYLLIUM	1.8	1.3	1	0.7	1	0.7	0.5	0.6	0.7
CADMIUM	0.6	2	0.2 B	0.2 B	0.1 B	0.2 B	0.2 B	0.1 B	0.09 B
CHROMIUM	27.4	36.4	15.5	11.8	20.8	15.8	15.6	11.8	14
COBALT	8.4	6.4	2.8	5.8	7.1	5.9	3.5	3.6	4
COPPER	16	23	10	6	10	6	7	4	5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	30	148	5 B	17	7 B	7 B	6 B	10	5 B
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.08	0.24	0.03	0.04	0.01	0.02	0.04	0.04	0.03
MOLYBDENUM	0.8 B	1 B	0.6 B	0.5 B	0.5 B	0.6 U	0.7 B	0.4 U	0.5 B
NICKEL	22	21	6 B	8	9	9 B	6 B	6 B	5 B
SELENIUM	2 U	2 U	2 U	2	3	2 U	2 U	2 U	3
SILVER	0.06 U	0.06 U	0.06 U	0.05 B	0.05 U	0.06 U	0.05 U	0.04 U	0.2 B
THALLIUM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.8 U	0.9 U
VANADIUM	35.9	49	27.2	20.5	35.6	24.8	27.9	20.3	25.5
ZINC	54	167	25	32	34	29	24	25	20
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	55700	271000	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	10300 U	13.1 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	0.36 U	0.49	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,2-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,3-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,4-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,4-DIOXANE	NA	364 U	358 U	386 U	366 U	387 U	375 U	393 U	7870 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
2,4,5-TRICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4,6-TRICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DIMETHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DINITROPHENOL	NA	552 U	543 U	585 U	554 U	586 U	568 U	596 U	11900 U
2,4-DINITROTOLUENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
2,6-DINITROTOLUENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
2-CHLORONAPHTHALENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
2-CHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2-NITROANILINE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
2-NITROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
3&4-METHYLPHENOL	NA	740 U	727 U	784 U	743 U	785 U	761 U	798 U	16000 U
3,3'-DICHLOROBENZIDINE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
3-NITROANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4,6-DINITRO-2-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-BROMOPHENYL PHENYL ETHER	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
4-CHLORO-3-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-CHLOROANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-CHLOROPHENYL PHENYL ETHER	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
4-NITROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	740 U	727 U	784 U	743 U	785 U	761 U	798 U	16000 U
BENZOIC ACID	NA	740 U	152 J	784 U	157 J	333 J	925	180 J	16000 U
BENZYL ALCOHOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
BIS(2-CHLOROETHOXY)METHANE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
BIS(2-CHLOROETHYL)ETHER	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	77 U	40 J	82 U	78 U	82 U	80 U	83 U	1670 U
BUTYL BENZYL PHTHALATE	NA	188 U	25 J	199 U	188 U	199 U	193 U	203 U	4050 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	43 J	242	199 U	158 J	199 U	193 U	448	4640
DIBENZOFURAN	NA	110 U	86 J	117 U	43 J	117 U	114 U	140	1650 J
DIETHYL PHTHALATE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
DIMETHYL PHTHALATE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
DI-N-BUTYL PHTHALATE	NA	32 J	37 J	199 U	38 J	199 U	193 U	37 J	4050 U
DI-N-OCTYL PHTHALATE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
HEXACHLOROBENZENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
HEXACHLOROBUTADIENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
HEXACHLOROCYCLOPENTADIENE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
HEXACHLOROETHANE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
ISOPHORONE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
NITROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
N-NITROSODIMETHYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
N-NITROSO-DI-N-PROPYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
N-NITROSODIPHENYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
PENTACHLOROPHENOL	NA	928 U	911 U	983 U	931 U	985 U	955 U	1000 U	20000 U
PHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
PYRIDINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	77.3 U	76 U	81.9 U	77.6 U	82.1 U	79.5 U	36.5 J	1670 U
2-METHYLNAPHTHALENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	32 J	1670 U
ACENAPHTHENE	NA	77 U	174	82 U	98	82 U	80 U	350	3620
ACENAPHTHYLENE	NA	77 U	135	82 U	44 J	82 U	80 U	49 J	1670 U
ANTHRACENE	NA	109	870	30 J	291	82 U	41 J	1000	9420
BAP EQUIVALENT-HALFND	NA	602	2545	192	1344	145	313	4262	38098
BAP EQUIVALENT-POS	NA	602	2545	151	1344	104	313	4262	38098
BENZO(A)ANTHRACENE	NA	432	1980	121	947	81 J	209	2980	28700
BENZO(A)PYRENE	NA	401	1800	116	977	80 J	212	3130	25600
BENZO(B)FLUORANTHENE	NA	374	2300	129	1090	83	229	4000	26700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	260 J	450 J	85 J	253 J	59 J	113 J	650 J	13200 J
BENZO(K)FLUORANTHENE	NA	405	1910	111	1100	90	241	2930	23000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	461	2090	135	1030	82 J	229	2930	28400
DIBENZO(A,H)ANTHRACENE	NA	86	232	82 UJ	117	82 UJ	41 J	307	5250
FLUORANTHENE	NA	802	4020	245	1940	173	395	8780	63200
FLUORENE	NA	32 J	213	82 U	94	82 U	80 U	331	3580
INDENO(1,2,3-CD)PYRENE	NA	295	635	92 J	340	62 J	138 J	948	14500
NAPHTHALENE	NA	77 U	36 J	82 U	78 U	82 U	80 U	57 J	1670 U
PHENANTHRENE	NA	417	2740	127	1090	47 J	163	3450	36100
PYRENE	NA	637	2570	178	1380	110	286	4530	45200
TOTAL PAHS	NA	4711	22155	1369	10791	867	2297	36454	326470
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1221	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1232	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1242	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1248	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1254	NA	NA	36 U	NA	36 U	NA	96	NA	39 U
AROCLOR-1260	NA	NA	119	NA	756	NA	73 J	NA	63
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	119	NA	756	NA	169	NA	63
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	1 L	NA	0.5	NA	1	NA	1	NA	2 L
ARSENIC	3 B	NA	5	NA	3 B	NA	3 B	NA	5
BARIUM	49	NA	29	NA	44	NA	79	NA	207
BERYLLIUM	0.6	NA	1.3	NA	0.8	NA	0.8	NA	1.4
CADMIUM	0.4	NA	0.8	NA	1.8	NA	0.7	NA	3
CHROMIUM	14.4	NA	55.8	NA	31.3	NA	16.4	NA	31.8
COBALT	4.9	NA	8.9	NA	8.5	NA	6	NA	11.7
COPPER	9	NA	17	NA	16	NA	16	NA	50
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	31	NA	20	NA	43	NA	91	NA	447
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.07	NA	0.09	NA	0.51	NA	0.07	NA	0.49
MOLYBDENUM	0.5 U	NA	2 B	NA	0.6 B	NA	0.6 U	NA	1 B
NICKEL	8 B	NA	20	NA	14	NA	9	NA	14
SELENIUM	2 U	NA	2 U	NA	3	NA	3	NA	2 U
SILVER	0.2 B	NA	1.1	NA	1.1	NA	0.06 B	NA	0.3 B
THALLIUM	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
VANADIUM	29.5	NA	46.2	NA	33.4	NA	21.6	NA	35.8
ZINC	39	NA	50	NA	85	NA	287	NA	289
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	3.6	NA	2	NA	NA	NA	3.6

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SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	8.4	8.3	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	0.63	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,4-DIOXANE	387 U	377 UJ	396 U	389 U	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	586 U	571 UJ	600 U	589 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2-NITROANILINE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
2-NITROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	786 U	765 UJ	803 U	790 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
3-NITROANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
4-NITROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	786 U	765 UJ	803 UR	790 U	NA	NA	NA	NA	NA
BENZOIC ACID	786 U	765 UJ	217 J	189 J	NA	NA	NA	NA	NA
BENZYL ALCOHOL	47.5 J	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	199 U	123 J	204 U	32 J	NA	NA	NA	NA	NA
DIBENZOFURAN	117 U	27 J	120 U	118 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
ISOPHORONE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
NITROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	985 U	959 UJ	1010 U	990 U	NA	NA	NA	NA	NA
PHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
PYRIDINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	82.1 U	79.9 UJ	83.9 U	82.5 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
ACENAPHTHENE	82 U	79 J	84 U	83 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
ANTHRACENE	82 U	256 J	84 U	66 J	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	82 U	1883	123	369	1.5 U	19000	1.5 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	82 U	1883	81	369	1.5 U	19000	1.5 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	82 U	1260 J	73 J	239	NA	NA	NA	NA	NA
BENZO(A)PYRENE	82 U	1310 J	62 J	258	1.5 U	19000	1.5 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	82 U	1520 J	65 J	250	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	82 UJ	662 J	48 J	175 J	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	82 U	1360 J	84 U	244	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	82 U	1250 J	69 J	269	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	82 U	206 J	84 UJ	46 J	NA	NA	NA	NA	NA
FLUORANTHENE	82 U	2720 J	163	600	NA	NA	NA	NA	NA
FLUORENE	82 U	68 J	84 U	83 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	82 U	745 J	51 J	135 J	NA	NA	NA	NA	NA
NAPHTHALENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
PHENANTHRENE	82 U	987 J	81 J	265	NA	NA	NA	NA	NA
PYRENE	28 J	1740 J	113	371	NA	NA	NA	NA	NA
TOTAL PAHS	28	14163	725	2918	0 U	19000	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1221	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1232	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1242	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1248	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1254	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1260	NA	95	NA	29 J	39 U	34 J	38 U	36 U	37 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	95	NA	29	0 U	34	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	1 L	NA	1 L	NA	NA	NA	NA	NA
ARSENIC	NA	6	NA	3 B	NA	NA	NA	NA	NA
BARIUM	NA	103	NA	64	NA	NA	NA	NA	NA
BERYLLIUM	NA	1.7	NA	1.1	NA	NA	NA	NA	NA
CADMIUM	NA	0.7	NA	0.3 B	NA	NA	NA	NA	NA
CHROMIUM	NA	26.1	NA	15.3	NA	NA	NA	NA	NA
COBALT	NA	6.6	NA	5.4	NA	NA	NA	NA	NA
COPPER	NA	15	NA	12	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	56	NA	64	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.18	NA	0.11	NA	NA	NA	NA	NA
MOLYBDENUM	NA	1 B	NA	0.6 B	NA	NA	NA	NA	NA
NICKEL	NA	13	NA	8 B	NA	NA	NA	NA	NA
SELENIUM	NA	3	NA	2 U	NA	NA	NA	NA	NA
SILVER	NA	0.06 U	NA	0.06 U	NA	NA	NA	NA	NA
THALLIUM	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
VANADIUM	NA	42.8	NA	26.2	NA	NA	NA	NA	NA
ZINC	NA	74	NA	51	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	85.6	88	87	92	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.51	NA	0.64	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	12	380	220	9.9	1.6 U	1.4 U	450	140	1.6 U
BAP EQUIVALENT-POS	12	380	220	9.9	1.6 U	1.4 U	450	140	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	12 J	380	220 J	9.9 J	1.6 U	1.4 U	450	140 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	380	220	9.9	0 U	0 U	450	140	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1221	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1232	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1242	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1248	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1254	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1260	35 U	35 U	36 U	38 U	39 U	37 U	22 J	37 U	40 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	22	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93.7	93.6	91.2	87	83.6	90.3	94.6	90	83.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	80	80	29	1.4 U	9.1	25	37	1.5 U	1.5 U
BAP EQUIVALENT-POS	80	80	29	1.4 U	9.1	25	37	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	80 J	80 J	29 J	1.4 U	9.1 J	25 J	37 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	80	80	29	0 U	9.1	25	37	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1221	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1232	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1242	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1248	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1254	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1260	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.5	95.1	90.9	90.8	91.6	79.7	79.9	88.6	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	36	510	130	87	39	9.6
BAP EQUIVALENT-POS	36	510	130	87	39	9.6
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	36 J	510	130 J	87 J	39 J	9.6 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	36	510	130	87	39	9.6
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1221	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1232	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1242	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1248	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1254	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1260	36 U	38 U	42 U	40 U	43 U	41 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	91.3	87.2	78.6	81.8	77.6	79.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-024A F-SB-24ARE-1 20090922 NORMAL SO NORMAL SB 1 1	SB-024A F-SB-24ARE-2 20090922 NORMAL SO NORMAL SB 2 2	SB-056 F-SB-56RE-1 20090918 NORMAL SO NORMAL SB 1 1	SB-056 F-SB-56RE-2 20090918 NORMAL SO NORMAL SB 2 2	SB-093 F-SB-93RE-1 20090921 NORMAL SO NORMAL SB 1 1	SB-093 F-SB-93RE-2 20090921 NORMAL SO NORMAL SB 2 2	SB-094 F-SB-94RE-1 20090921 NORMAL SO NORMAL SB 1 1	SB-094 F-SB-94RE-2 20090921 NORMAL SO NORMAL SB 2 2	SB-095 F-SB-95RE-1 20090918 NORMAL SO NORMAL SB 1 1	SB-095 F-SB-95RE-2 20090918 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	23	1.5 U	1190	150	184	95	50001	2.6
BAP EQUIVALENT-POS	22	15	C	NA	NA	22	1.5 U	1190	150	184	95	49963	0.85
BENZO(A)ANTHRACENE	220	150	C	NA	NA	17	1.1 U	890	100	110	57	42000	8.5
BENZO(A)PYRENE	22	15	C	NA	NA	17	1.5 U	810	89	130	55	38000	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	21	1.4 U	1200	140	150	58	55000	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	12	1.9 U	390	46	91	24	23000	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	19	1 U	860	100	150	73	33000	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	1.6 U	1.5 U	120	30	19	25	76 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	11	1.7 U	460	66	81	36	20000	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	97	0 U	4730	571	731	328	211000	8.5
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	19 U	20 U	20 U	21 U	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	120	20 U	20 U	21 U	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	120	0 U	0 U	0 U	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	1.5 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-096 F-SB-96RE-1 20090921 NORMAL SO NORMAL SB 1 1	SB-096 F-SB-96RE-2 20090921 NORMAL SO NORMAL SB 2 2	SB-624 F-SB-624-1 20090921 NORMAL SO NORMAL SB 1 1	SB-624 F-SB-624-2 20090921 NORMAL SO NORMAL SB 2 2	SB-625 F-SB-625-1 20090921 NORMAL SO NORMAL SB 1 1	SB-625 F-SB-625-2 20090921 NORMAL SO NORMAL SB 2 2	SB-626 F-SB-626-1 20090922 NORMAL SO NORMAL SB 1 1	SB-626 F-SB-626-2 20090922 NORMAL SO NORMAL SB 2 2	SB-626B F-SB-626B-(1-4) 20091111 NORMAL SO NORMAL SB 1 4	SB-626C F-SB-626C-1 20091111 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		602	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	602	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	390	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	410	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	580	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	250	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	340	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	67	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	250	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		2287	0 U	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	0.035	0.22	0.02 U	0.58	2.2 L	2.7 L	1.2	2.2
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-626D F-SB-626D-1 20091111 NORMAL SO NORMAL SB 1 1	SB-627 F-SB-627-1 20090922 NORMAL SO NORMAL SB 1 1	SB-627 F-SB-627-2 20090922 NORMAL SO NORMAL SB 2 2	SB-635C F-SB-635C-1 20091104 NORMAL SO NORMAL SB 1 1	SB-635D F-SB-635D-1 20091110 NORMAL SO NORMAL SB 1 1	SB-636 F-SB-636-1 20091007 NORMAL SO NORMAL SB 1 1	SB-636A F-SB-636A-1 20091105 NORMAL SO NORMAL SB 1 1	SB-636B F-SB-636B-1 20091105 NORMAL SO NORMAL SB 1 1	SB-636C F-SB-636C-1 20091105 NORMAL SO NORMAL SB 1 1	SB-636D F-SB-636D-1 20091105 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	1267	20	163	410	1412	7120	6757
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1267	19	163	410	1412	7120	6757
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	760	11	130	290	790	5700	4900
BENZO(A)PYRENE	22	15	C	NA	NA	NA	870	16	110	270	950	4800	4700
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	1200	8.9	140	400	1200	7000	6200
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	390	1.8 U	58	130	540	2500	2200
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	790	8.1	110	300	890	5200	4900
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	150	1.4 U	19	53	200	750	660
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	460	15	64	160	570	2700	2600
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	4620	59	631	1603	5140	28650	26160
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.36	0.31 L	0.38 L	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-637	SB-637B	SB-637C	SB-638	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C
SAMPLE ID				F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1
SAMPLE DATE				20091007	20091106	20091106	20091007	20091007	20091007	20091006	20091104	20091104	20091104
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1186	6953	2075	1.4 U	79	74	1364	41	289	9111
BAP EQUIVALENT-POS	22	15	C	1186	6953	2075	1.4 U	78	73	1364	41	289	9111
BENZO(A)ANTHRACENE	220	150	C	900	6200	1700	1 U	62	52	960	31	190	7400
BENZO(A)PYRENE	22	15	C	820	4600	1400	1.4 U	59	55	860	32	200	6300
BENZO(B)FLUORANTHENE	220	150	C	1100	6500	1900	1.3 U	88	88	1300	38	290	8900
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390	2800	870	1.8 U	32	29	1.6 U	19	95	3500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	840	5300	1500	0.97 U	66	57	840	33	190	6300
DIBENZO(A,H)ANTHRACENE	22	15	C	120	790	230	1.4 U	1.5 U	1.5 U	210	1.5 U	30	840
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410	2600	750	1.6 U	34	37	670	15	100	3000
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4580	28790	8350	0 U	341	318	4840	168	1095	36240
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	19 U	NA	NA	18 U	20 U	20 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	NA	NA	18 U	20 U	20 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	NA	NA	0 U	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-642	SB-642A	SB-642B	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A
SAMPLE ID				F-SB-642-1	F-SB-642A-1	F-SB-642B-1	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1
SAMPLE DATE				20091019	20091104	20091104	20091104	20091016	20091105	20091105	20091016	20091006	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1495	1.5 U	57	1.7	708	118	1.4 U	70	26715	111
BAP EQUIVALENT-POS	22	15	C	1495	1.5 U	56	0.012	708	118	1.4 U	70	26715	111
BENZO(A)ANTHRACENE	220	150	C	1100	1.1 U	42	1.1 U	360	77	1 U	39	18000	68
BENZO(A)PYRENE	22	15	C	1000	1.5 U	44	1.5 U	490	70	1.4 U	47	17000	66
BENZO(B)FLUORANTHENE	220	150	C	1200	1.4 U	48	1.4 U	630	110	1.3 U	58	28000	96
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	620	2 U	40	2 U	300	32	1.9 U	25	9.3 U	45
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	980	1 U	48	12	400	99	0.99 U	44	15000	68
DIBENZO(A,H)ANTHRACENE	22	15	C	200	1.5 U	1.5 U	1.5 U	87	25	1.4 U	9.4	4000	24
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	580	1.7 U	24	1.8 U	290	40	1.7 U	32	11000	40
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5680	0 U	246	12	2557	453	0 U	254.4	93000	407
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-645B	SB-645C	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650
SAMPLE ID				F-SB-645B-1	F-SB-645C-1	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1
SAMPLE DATE				20091105	20091105	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		112	369	23	284	3838	283	5140	2.2 U	2.2 U	4.1
BAP EQUIVALENT-POS	22	15	C	112	369	23	284	3838	283	5140	2.2 U	2.2 U	3.1
BENZO(A)ANTHRACENE	220	150	C	79	260	13	160	2500	170	3400	1.2 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15	C	78	240	15	180	2600	180	3500	2.2 U	2.2 U	3.1 J
BENZO(B)FLUORANTHENE	220	150	C	110	330	24	300	3100	240	4500	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	47	120	1.6 U	7.9 U	1600	97	1700	1.6 U	1.7 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	92	240	13	180	2400	170	3300	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	11	55	2.8 J	44	500	49	620	1.7 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	140	12	140	1600	120	2100	0.43 U	0.44 U	0.43 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		457	1385	79.8	1004	14300	1026	19120	0 U	0 U	3.1
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-651 F-SB-651-1 20091007 NORMAL SO NORMAL SB 1 1	SB-652 F-SB-652-1 20091007 NORMAL SO NORMAL SB 1 1	SB-652A F-SB-652A-1 20091105 NORMAL SO NORMAL SB 1 1	SB-652B F-SB-652B-1 20091105 NORMAL SO NORMAL SB 1 1	SB-652C F-SB-652C-1 20091105 NORMAL SO NORMAL SB 1 1	SB-797 F-SB-797-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-798 F-SB-798-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-799 F-SB-799-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-800 F-SB-800-SS 20100910 NORMAL SO NORMAL SS 1 1	SB-801 F-SB-801-SS 20100910 NORMAL SO NORMAL SS 1 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	55	3.7 U	3.9 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	46	3.7 U	3.9 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	340	3.7 U	3.9 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	15 U	3.7 U	3.9 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	680	3.7 U	3.9 U	NA	NA
BAP EQUIVALENT-HALFND	22	15		14	342	228	505	19	3496	3.7 U	13	NA	NA
BAP EQUIVALENT-POS	22	15	C	13	342	228	505	18	3496	3.7 U	11	NA	NA
BENZO(A)ANTHRACENE	220	150	C	8.8	260	150	350	16	2300	3.7 U	8.1	NA	NA
BENZO(A)PYRENE	22	15	C	9.9	230	150	340	13	2400	3.7 U	9	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	13	330	200	430	30	2800	3.7 U	11	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	1700	3.7 U	3.9 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	120	96	190	8.4	1400	3.7 U	3.9 U	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	3700 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	5800 J	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	1600 J	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	1300 J	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	950 J	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	470 J	NA	NA	NA	NA
CHRYSENE	22000	15000	C	8.9	250	160	350	15	2400	1.2 U	11	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	38	33	65	1.5 U	430	3.7 U	3.9 U	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	4900	11	17	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	370	3.7 U	3.9 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8.8	140	89	200	1.7 U	1400	3.7 U	3.9 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	140	3.7 U	3.9 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	2600	3.7 U	8	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	4200	9.1	17	NA	NA
TOTAL PAHS	NC	NC		49.4	1368	878	1925	82.4	28106	20.1	81.1	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	19 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	1 L	0.18 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-802 F-SB-802-SS 20100910 NORMAL SO NORMAL SS 1 1**
VOLATILES (UG/KG)				
2-BUTANONE	4700000	2800000	N	NA
ACETONE	7000000	6100000	N	NA
CARBON DISULFIDE	780000	82000	N	NA
METHYLENE CHLORIDE	85000	11000	C	NA
TOLUENE	630000	500000	N	NA
SEMIVOLATILES (UG/KG)				
BENZOIC ACID	NC	24000000	N	NA
BENZYL ALCOHOL	NC	610000	N	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA
CARBAZOLE	32000	NC		NA
DIBENZOFURAN	7800	7800	N	NA
DIMETHYL PHTHALATE	NC	NC		NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA
PHENOL	2300000	1800000	N	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA
ACENAPHTHENE	470000	340000	N	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA
ANTHRACENE	2300000	1700000	N	NA
BAP EQUIVALENT-HALFND	22	15		NA
BAP EQUIVALENT-POS	22	15	C	NA
BENZO(A)ANTHRACENE	220	150	C	NA
BENZO(A)PYRENE	22	15	C	NA
BENZO(B)FLUORANTHENE	220	150	C	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
CHRYSENE	22000	15000	C	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA
FLUORANTHENE	310000	230000	N	NA
FLUORENE	310000	230000	N	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA
NAPHTHALENE	160000	3600	C	NA
PHENANTHRENE	2300000	170000	N[5]	NA
PYRENE	230000	170000	N	NA
TOTAL PAHS	NC	NC		NA
PESTICIDES/PCBS (UG/KG)				
AROCLOR-1254	320	110	N[6]	NA
AROCLOR-1260	320	220	C	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	NA
ARSENIC	0.43	0.39	C	NA
BARIUM	1600	1500	N	NA
BERYLLIUM	16	16	N	NA
CADMIUM	3.9	7	N	NA
CHROMIUM	12000 [9]	12000	N[9]	NA
COBALT	NC	2.3	N	NA
COPPER	310	310	N	NA
LEAD	400	400		NA
MERCURY	2.3 [10]	2.3	N[11]	0.017 UR
MOLYBDENUM	NC	39	N	NA
NICKEL	160	150	N	NA
SELENIUM	39	39	N	NA
SILVER	39	39	N	NA
VANADIUM	7.8	39	N[12]	NA
ZINC	2300	2300	N	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		NA
GASOLINE RANGE ORGANICS	230000	NC		NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NC	NC		NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NC	NC		NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	780	780	N	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-022 SB-22A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-023 SB-23A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-024 SB-24A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-025 SB-25A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-030 SB-30A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-050 SB-50-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-055 SB-55-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-056 SB-56-SS 20040913 NORMAL SO NORMAL SS 0 1	SB-093 SB-93-SS 20040916 NORMAL SO NORMAL SS 0 1	SB-094 SB-94-SS 20040916 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	66 U	55 U	61 U	60 U	53 U	NA	53 U	82 U	66 U	54 U
ACETONE	7000000	6100000	N	89 J	55 UJ	61 UJ	60 UJ	53 UJ	NA	53 UJ	82 U	66 U	54 U
CARBON DISULFIDE	780000	82000	N	7 U	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
METHYLENE CHLORIDE	85000	11000	C	11 B	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
TOLUENE	630000	500000	N	7 U	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
BUTYL BENZYL PHTHALATE	NC	260000	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
CARBAZOLE	32000	NC		430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DIBENZOFURAN	7800	7800	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DIMETHYL PHTHALATE	NC	NC		430 U	60 J	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DI-N-BUTYL PHTHALATE	780000	610000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DI-N-OCTYL PHTHALATE	NC	NC		430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
PHENOL	2300000	1800000	N	430 U	420	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ACENAPHTHENE	470000	340000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ACENAPHTHYLENE	470000	340000	N[4]	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ANTHRACENE	2300000	1700000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
BAP EQUIVALENT-HALFND	22	15		430 U	380 U	298	400 U	401	NA	313	560 U	4189	2874
BAP EQUIVALENT-POS	22	15	C	430 U	380 U	78	400 U	4.825	NA	121	560 U	1939	1074
BENZO(A)ANTHRACENE	220	150	C	430 U	380 U	74 J	400 U	44 J	NA	110 J	560 U	1800 J	880 J
BENZO(A)PYRENE	22	15	C	430 U	380 U	63 J	400 U	360 U	NA	99 J	560 U	1500 J	850 J
BENZO(B)FLUORANTHENE	220	150	C	430 U	380 U	66 J	400 U	360 U	NA	94 J	560 U	1600 J	890 J
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	430 U	380 U	400 U	400 U	360 U	NA	70 J	560 U	1000 J	3600 U
BENZO(K)FLUORANTHENE	2200	1500	C	430 U	380 U	57 J	400 U	37 J	NA	110 J	560 U	1500 J	1000 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	430 U	380 U	77 J	400 U	55 J	NA	130 J	560 U	2300 J	1100 J
DIBENZO(A,H)ANTHRACENE	22	15	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
FLUORANTHENE	310000	230000	N	57 J	380 U	170 J	400 U	84 J	NA	270 J	560 U	3400 J	2000 J
FLUORENE	310000	230000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
INDENO(1,2,3-CD)PYRENE	220	150	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	820 J	360 J
NAPHTHALENE	160000	3600	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
PHENANTHRENE	2300000	170000	N[5]	44 J	380 U	92 J	400 U	74 J	NA	160 J	560 U	1600 J	1100 J
PYRENE	230000	170000	N	430 U	380 U	110 J	400 U	110 J	NA	160 J	560 U	4000 J	1400 J
TOTAL PAHS	NC	NC		101	0 U	709	0 U	404	NA	1203	0 U	19520	9580
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	320 U	280 U	300 U	300 U	270 U	NA	260 U	410 U	330 U	1300 U
AROCLOR-1260	320	220	C	320 U	280 U	300 U	300 U	270 U	NA	260 U	410 U	800	1400
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	NA	0 U	0 U	800	1400
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UR	2.4 U	2.7 UR	4 UR	3.1 UR	2.6 UR
ARSENIC	0.43	0.39	C	1.3	2.2	3.4	0.6	2.3 L	3.2	1.5 L	2.9 L	1.8 L	2.1 L
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	2.6 U	2.8 U	5	2.7 U	2.4 U	2.7 U	4 U	3.1 UL	2.6 UL
CADMIUM	3.9	7	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL	4 UL	3.5 L	4.5 L
CHROMIUM	12000 [9]	12000	N[9]	8.1	13	18	18	8.7 L	9.4	13 L	14 L	110	25
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	4.9 K	5.3	36	15	4.4 K	17	74	11	21 L	21 L
LEAD	400	400		3 U	5.4	67	5.9	4.5 J	33	420 J	6.3 J	73 L	65 L
MERCURY	2.3 [10]	2.3	N[11]	0.12 U	0.1 U	1.4	0.11 U	0.11 UL	0.42	0.11 UL	0.16 UL	0.68	0.97
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	4.6 K	7.1	14	27	4.5 K	8.5	13	5.1 K	11	11
SELENIUM	39	39	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL	4 UL	3.1 UL	2.6 UL
SILVER	39	39	N	3.2 U	3.4	2.9 U	2.9 U	2.7 UR	2.3 U	2.7 UR	4 UR	3.1 UR	2.6 UR
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	30 U	26 U	120	48 K	27 UL	100	58 J	40 UL	100 K	92 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		13000 U	11000 U	12000 U	12000 U	10000 U	NA	13000	17000 U	150000	67000
GASOLINE RANGE ORGANICS	230000	NC		130 U	110 U	120 U	1200	110 U	NA	110 U	170 U	130 U	110 U
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-095	SB-096	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250	SB-250
SAMPLE ID				SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS
SAMPLE DATE				20040916	20040916	20050509	20050509	20050509	20050509	20050517	20050517	20050509	20050509
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH				0	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH				1	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	62 U	57 UJ	NA	NA	NA	NA	2.87 J	3.14 J	NA	NA
ACETONE	7000000	6100000	N	62 U	57 UJ	NA	NA	NA	NA	27.2 J	31 J	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 UJ	NA	NA	NA	NA	0.72 J	7.1	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 U	8 J	NA	NA	NA	NA	3.3 J	5.2 U	NA	NA
TOLUENE	630000	500000	N	6 U	6 UJ	NA	NA	NA	NA	1.9 J	1.2 J	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	802 U	752 U	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	407 U	382 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	380 U	NA	NA	NA	NA	203 U	191 UJ	NA	NA
CARBAZOLE	32000	NC		190 J	380 U	NA	NA	NA	NA	203 U	40 J	NA	NA
DIBENZOFURAN	7800	7800	N	54 J	380 U	NA	NA	NA	NA	120 U	112 UJ	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	380 U	NA	NA	NA	NA	407 U	382 UJ	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	380 U	NA	NA	NA	NA	203 U	191 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		53 J	380 U	NA	NA	NA	NA	203 U	191 UJ	NA	NA
PHENOL	2300000	1800000	N	420 U	380 U	NA	NA	NA	NA	407 U	382 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	83.7 U	78.6 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	380 U	NA	NA	NA	NA	84 U	79 U	NA	NA
ACENAPHTHENE	470000	340000	N	160 J	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	420 U	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
ANTHRACENE	2300000	1700000	N	380 J	380 U	NA	NA	NA	NA	84 U	54 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		2132	380 U	NA	NA	NA	NA	140	424	NA	NA
BAP EQUIVALENT-POS	22	15	C	2132	380 U	NA	NA	NA	NA	98	424	NA	NA
BENZO(A)ANTHRACENE	220	150	C	1600	380 U	NA	NA	NA	NA	75 J	241 J	NA	NA
BENZO(A)PYRENE	22	15	C	1600	380 U	NA	NA	NA	NA	74 J	245 J	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	1800	380 U	NA	NA	NA	NA	90	254 J	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	1000 J	380 U	NA	NA	NA	NA	75 J	344 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1600	380 U	NA	NA	NA	NA	87	225 J	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1700	380 U	NA	NA	NA	NA	92	287 J	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	75 J	380 U	NA	NA	NA	NA	84 U	100 J	NA	NA
FLUORANTHENE	310000	230000	N	3300	380 U	NA	NA	NA	NA	142	546	NA	NA
FLUORENE	310000	230000	N	130 J	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	990	380 U	NA	NA	NA	NA	67 J	274 J	NA	NA
NAPHTHALENE	160000	3600	C	420 U	380 U	NA	NA	NA	NA	84 U	79 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	1600	380 U	NA	NA	NA	NA	58 J	249	NA	NA
PYRENE	230000	170000	N	2500	380 U	NA	NA	NA	NA	120	685 J	NA	NA
TOTAL PAHS	NC	NC		18435	0 U	NA	NA	NA	NA	880	3504	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	300 U	280 U	NA	NA	NA	NA	39 U	37 U	NA	NA
AROCLOR-1260	320	220	C	300 U	280 U	NA	NA	NA	NA	39 U	154	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	0 U	154	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3 UR	2.9 UR	2 L	0.5 L	4 L	0.4 L	0.3 UL	1 L	0.6 L	0.8 L
ARSENIC	0.43	0.39	C	2 L	2 L	4	3	5	3 B	3	3	3 B	1 B
BARIUM	1600	1500	N	NA	NA	83	36	68	42	41	86	30	37
BERYLLIUM	16	16	N	3 UL	2.9 UL	0.7	1.4	0.6	1.6	1.8	1.3	1	0.7
CADMIUM	3.9	7	N	3 UL	2.9 UL	0.4	0.3	0.3	0.4	0.6	2	0.2 B	0.2 B
CHROMIUM	12000 [9]	12000	N[9]	14	9.3 K	19.8	17.7	185	19.8	27.4	36.4	15.5	11.8
COBALT	NC	2.3	N	NA	NA	5.8	6.8	5.1	5.6	8.4	6.4	2.8	5.8
COPPER	310	310	N	34 L	5.1 L	22	14	33	12	16	23	10	6
LEAD	400	400		100 L	3.2 L	51	11	63	8 B	30	148	5 B	17
MERCURY	2.3 [10]	2.3	N[11]	0.15	0.12 U	0.92 L	0.29 L	0.35	0.06	0.08	0.24	0.03	0.04
MOLYBDENUM	NC	39	N	NA	NA	0.6 B	0.4 B	63	0.6 B	0.8 B	1 B	0.6 B	0.5 B
NICKEL	160	150	N	8.1	5.4 K	12	12	18	12	22	21	6 B	8
SELENIUM	39	39	N	3 UL	2.9 UL	2 U	2	4	2	2 U	2 U	2 U	2
SILVER	39	39	N	3 UR	2.9 UR	0.9	0.04 U	1.4	0.05 U	0.06 U	0.06 U	0.06 U	0.05 B
VANADIUM	7.8	39	N[12]	NA	NA	31	29.9	41.9	31	35.9	49	27.2	20.5
ZINC	2300	2300	N	81 K	29 U	82	35	99	28	54	167	25	32
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		12000 U	11000 U	NA	NA	NA	NA	55700	271000	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	110 U	NA	NA	NA	NA	10300 U	13.1 U	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	0.4 U	NA	0.36 U	0.49	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	8.2	8.1	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	0.734 J	0.071 J	1.467 J	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-251	SB-251	SB-252	SB-252	SB-253	SB-253	SB-265	SB-265	SB-266	SB-266
SAMPLE ID				SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS
SAMPLE DATE				20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH				1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH				2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	740 U	152 J	784 U	157 J
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	77 U	40 J	82 U	78 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	188 U	25 J	199 U	188 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	43 J	242	199 U	158 J
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	110 U	86 J	117 U	43 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	32 J	37 J	199 U	38 J
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	188 U	184 U	199 U	188 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	77.3 U	76 U	81.9 U	77.6 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	77 U	76 U	82 U	78 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	77 U	174	82 U	98
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	77 U	135	82 U	44 J
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	109	870	30 J	291
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	**602**	**2545**	**192**	**1344**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	**602**	**2545**	**151**	**1344**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	**432**	**1980**	121	**947**
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	**401**	**1800**	**116**	**977**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	**374**	**2300**	129	**1090**
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	260 J	450 J	85 J	253 J
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	405	**1910**	111	1100
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	461	2090	135	1030
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	**86**	**232**	82 UJ	**117**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	802	4020	245	1940
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	32 J	213	82 U	94
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	**295**	**635**	92 J	**340**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	77 U	36 J	82 U	78 U
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	417	2740	127	1090
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	637	2570	178	1380
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	4711	22155	1369	10791
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	36 U	NA	36 U
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	119	NA	**756**
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	119	NA	**756**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.9 L	1 L	0.8 L	0.7 L	0.9 L	1 L	NA	0.5	NA	1
ARSENIC	0.43	0.39	C	**5**	3 B	**4**	2 B	3 B	3 B	NA	**5**	NA	3 B
BARIUM	1600	1500	N	40	40	27	31	36	49	NA	29	NA	44
BERYLLIUM	16	16	N	1	0.7	0.5	0.6	0.7	0.6	NA	1.3	NA	0.8
CADMIUM	3.9	7	N	0.1 B	0.2 B	0.2 B	0.1 B	0.09 B	0.4	NA	0.8	NA	1.8
CHROMIUM	12000 [9]	12000	N[9]	20.8	15.8	15.6	11.8	14	14.4	NA	55.8	NA	31.3
COBALT	NC	2.3	N	**7.1**	**5.9**	**3.5**	**3.6**	**4**	**4.9**	NA	**8.9**	NA	**8.5**
COPPER	310	310	N	10	6	7	4	5	9	NA	17	NA	16
LEAD	400	400		7 B	7 B	6 B	10	5 B	31	NA	20	NA	43
MERCURY	2.3 [10]	2.3	N[11]	0.01	0.02	0.04	0.04	0.03	0.07	NA	0.09	NA	0.51
MOLYBDENUM	NC	39	N	0.5 B	0.6 U	0.7 B	0.4 U	0.5 B	0.5 U	NA	2 B	NA	0.6 B
NICKEL	160	150	N	9	9 B	6 B	6 B	5 B	8 B	NA	20	NA	14
SELENIUM	39	39	N	3	2 U	2 U	2 U	3	2 U	NA	2 U	NA	3
SILVER	39	39	N	0.05 U	0.06 U	0.05 U	0.04 U	0.2 B	0.2 B	NA	1.1	NA	1.1
VANADIUM	7.8	39	N[12]	**35.6**	**24.8**	**27.9**	**20.3**	**25.5**	**29.5**	NA	**46.2**	NA	**33.4**
ZINC	2300	2300	N	34	29	24	25	20	39	NA	50	NA	85
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	**2**
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	8.4	8.3	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-267	SB-267	SB-268	SB-268	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383
SAMPLE ID				SB-267-02	SB-267-SS	SB-268-02	SB-268-SS	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102
SAMPLE DATE				20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB	SS	SB	SB
TOP DEPTH				1	0	1	0	1	0	1	0	1	1
BOTTOM DEPTH				2	1	2	1	2	1	2	1	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	333 J	925	180 J	16000 U	786 U	765 UJ	217 J	189 J	NA	NA
BENZYL ALCOHOL	NC	610000	N	399 U	386 U	405 U	8110 U	47.5 J	388 UJ	408 U	401 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	82 U	80 U	83 U	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	199 U	193 U	203 U	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
CARBAZOLE	32000	NC		199 U	193 U	448	4640	199 U	123 J	204 U	32 J	NA	NA
DIBENZOFURAN	7800	7800	N	117 U	114 U	140	1650 J	117 U	27 J	120 U	118 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		399 U	386 U	405 U	8110 U	399 U	388 UJ	408 U	401 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	199 U	193 U	37 J	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		199 U	193 U	203 U	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
PHENOL	2300000	1800000	N	399 U	386 U	405 U	8110 U	399 U	388 UJ	408 U	401 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	82.1 U	79.5 U	36.5 J	1670 U	82.1 U	79.9 UJ	83.9 U	82.5 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	82 U	80 U	32 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
ACENAPHTHENE	470000	340000	N	82 U	80 U	350	3620	82 U	79 J	84 U	83 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	82 U	80 U	49 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
ANTHRACENE	2300000	1700000	N	82 U	41 J	1000	9420	82 U	256 J	84 U	66 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		145	313	4262	38098	82 U	1883	123	369	1.5 U	19000
BAP EQUIVALENT-POS	22	15	C	104	313	4262	38098	82 U	1883	81	369	1.5 U	19000
BENZO(A)ANTHRACENE	220	150	C	81 J	209	2980	28700	82 U	1260 J	73 J	239	NA	NA
BENZO(A)PYRENE	22	15	C	80 J	212	3130	25600	82 U	1310 J	62 J	258	1.5 U	19000
BENZO(B)FLUORANTHENE	220	150	C	83	229	4000	26700	82 U	1520 J	65 J	250	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	59 J	113 J	650 J	13200 J	82 UJ	662 J	48 J	175 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	90	241	2930	23000	82 U	1360 J	84 U	244	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	82 J	229	2930	28400	82 U	1250 J	69 J	269	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	82 UJ	41 J	307	5250	82 U	206 J	84 UJ	46 J	NA	NA
FLUORANTHENE	310000	230000	N	173	395	8780	63200	82 U	2720 J	163	600	NA	NA
FLUORENE	310000	230000	N	82 U	80 U	331	3580	82 U	68 J	84 U	83 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	62 J	138 J	948	14500	82 U	745 J	51 J	135 J	NA	NA
NAPHTHALENE	160000	3600	C	82 U	80 U	57 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	47 J	163	3450	36100	82 U	987 J	81 J	265	NA	NA
PYRENE	230000	170000	N	110	286	4530	45200	28 J	1740 J	113	371	NA	NA
TOTAL PAHS	NC	NC		867	2297	36454	326470	28	14163	725	2918	0 U	19000
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	96	NA	39 U	NA	37 U	NA	38 U	39 U	37 U
AROCLOR-1260	320	220	C	NA	73 J	NA	63	NA	95	NA	29 J	39 U	34 J
TOTAL AROCLOR	320 [7]	220	C[8]	NA	169	NA	63	NA	95	NA	29	0 U	34
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	1	NA	2 L	NA	1 L	NA	1 L	NA	NA
ARSENIC	0.43	0.39	C	NA	3 B	NA	5	NA	6	NA	3 B	NA	NA
BARIUM	1600	1500	N	NA	79	NA	207	NA	103	NA	64	NA	NA
BERYLLIUM	16	16	N	NA	0.8	NA	1.4	NA	1.7	NA	1.1	NA	NA
CADMIUM	3.9	7	N	NA	0.7	NA	3	NA	0.7	NA	0.3 B	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	16.4	NA	31.8	NA	26.1	NA	15.3	NA	NA
COBALT	NC	2.3	N	NA	6	NA	11.7	NA	6.6	NA	5.4	NA	NA
COPPER	310	310	N	NA	16	NA	50	NA	15	NA	12	NA	NA
LEAD	400	400		NA	91	NA	447	NA	56	NA	64	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	0.07	NA	0.49	NA	0.18	NA	0.11	NA	NA
MOLYBDENUM	NC	39	N	NA	0.6 U	NA	1 B	NA	1 B	NA	0.6 B	NA	NA
NICKEL	160	150	N	NA	9	NA	14	NA	13	NA	8 B	NA	NA
SELENIUM	39	39	N	NA	3	NA	2 U	NA	3	NA	2 U	NA	NA
SILVER	39	39	N	NA	0.06 B	NA	0.3 B	NA	0.06 U	NA	0.06 U	NA	NA
VANADIUM	7.8	39	N[12]	NA	21.6	NA	35.8	NA	42.8	NA	26.2	NA	NA
ZINC	2300	2300	N	NA	287	NA	289	NA	74	NA	51	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	85.6	88
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	3.6	NA	0.51	NA	0.64	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-384	SB-385	SB-386	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393
SAMPLE ID				SB-384-0102	SB-385-0102	SB-386-0102	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	1	2	2	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.4 U	1.4 U	12	380	220	9.9	1.6 U	1.4 U	450
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.4 U	1.4 U	12	380	220	9.9	1.6 U	1.4 U	450
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.4 U	1.4 U	12 J	380	220 J	9.9 J	1.6 U	1.4 U	450
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	12	380	220	9.9	0 U	0 U	450
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	38 U	36 U	37 U	35 U	35 U	36 U	38 U	39 U	37 U	35 U
AROCLOR-1260	320	220	C	38 U	36 U	37 U	35 U	35 U	36 U	38 U	39 U	37 U	22 J
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	22
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		87	92	90	93.7	93.6	91.2	87	83.6	90.3	94.6
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-394	SB-395	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403
SAMPLE ID				SB-394-0102	SB-395-0102	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		140	1.6 U	80	80	29	1.4 U	9.1	25	37	1.5 U
BAP EQUIVALENT-POS	22	15	C	140	1.6 U	80	80	29	1.4 U	9.1	25	37	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	140 J	1.6 U	80 J	80 J	29 J	1.4 U	9.1 J	25 J	37 J	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		140	0 U	80	80	29	0 U	9.1	25	37	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	37 U	40 U	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U
AROCLOR-1260	320	220	C	37 U	40 U	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		90	83.2	85.5	95.1	90.9	90.8	91.6	79.7	79.9	88.6
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-404	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID				SB-404-0102	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2
VOLATILES (UG/KG)										
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	36	510	130	87	39	9.6
BAP EQUIVALENT-POS	22	15	C	1.5 U	36	510	130	87	39	9.6
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	36 J	510	130 J	87 J	39 J	9.6 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	36	510	130	87	39	9.6
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[6]	38 U	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1260	320	220	C	38 U	36 U	38 U	42 U	40 U	43 U	41 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		86.6	91.3	87.2	78.6	81.8	77.6	79.8
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for PCB (total).
8 - The value is for polychlorinated biphenyls (high risk).
9 - The value is for trivalent chromium.
10 - The value is for mercury (inorganic/mercuric dichloride).
11 - The value is for mercuric chloride.
12 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	1.4 U	1.4 U	1.3 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	2 U	2 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	1.7 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.086	0.083	0.021 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	36	1.7 U	2.5	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	36	1.7 U	0.87	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	24	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	26	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	41	1.5 U	8.7	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2 U	2 U	2 U	14	2.2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	1 U	28	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.9 U	1.8 U	1.7 U	1.7 U	29	1.9 U	1.8 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	162	0 U	8.7	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	25 U	24 U	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	19 U	18 U	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	17 U	16 U	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	15 U	15 U	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	441	7604	745	298	1376	709	1876	3043	4.8	116	1.6 U
BAP EQUIVALENT-POS	441	7604	745	298	1376	709	1876	3043	4.0	116	1.6 U
BENZO(A)ANTHRACENE	340	5700	550	220	1000	490 J	1395	2300 J	3.4 J	87	1.1 U
BENZO(A)PYRENE	280	5200	520	210	980	510 J	1305	2100 J	3.1 J	75	1.6 U
BENZO(B)FLUORANTHENE	450	6500	580	280	1200	590 J	1595	2600 J	3.2 J	110	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	8.3 U	2900	350	110	600	340 J	720	1100 J	1.6 U	1.6 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	290	5400	480	210	850	500 J	1250	2000 J	2.9 J	70	1.1 U
DIBENZO(A,H)ANTHRACENE	62	860	79	26	120	61 J	190.5	320 J	1.7 U	16	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	200	2900	290	110	490	260 J	730	1200 J	1.9 J	49	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1622	29460	2849	1166	5240	2751	7185.5	11620	14.5	407	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	329	1.5 U	29	44	58	1.5 U	1.5 U	37	25	30
BAP EQUIVALENT-POS	1.5 U	329	1.5 U	28	43	58	1.5 U	1.5 U	36	24	29
BENZO(A)ANTHRACENE	1.1 U	230	1.1 U	21 J	33	45 J	1.1 U	1.1 U	27	18	31
BENZO(A)PYRENE	1.5 U	230	1.5 U	22 J	33.5	45 J	1.5 U	1.5 U	28	19	22
BENZO(B)FLUORANTHENE	1.4 U	270	1.4 U	29 J	40.5	52 J	1.4 U	1.4 U	34	21	30
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	120	2 U	9.5 J	19.25	29 J	2 U	1.9 U	17	13	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	250	1.1 U	21 J	33.5	46 J	1.1 U	1 U	27	18	31
DIBENZO(A,H)ANTHRACENE	1.5 U	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	120	1.8 U	13 J	20	27 J	1.8 U	1.7 U	15	10	11
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1256	0 U	115.5	179.75	244	0 U	0 U	148	99	145
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2582	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	2577	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	3000	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	1900	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	2900	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1300	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	4400	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	8.2 U	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	700	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	14200	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.6	0.5	0.019 U	0.13	1	0.86	0.72	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	65	2.7	1.7 U	1.6 U	1.8 U	3.0	1.5 U	17	34	276
BAP EQUIVALENT-POS	1.5 U	64	1	1.7 U	1.6 U	1.8 U	1.1	1.5 U	17	33	275
BENZO(A)ANTHRACENE	1.1 U	79	1.1 U	1.2 U	1.2 U	1.3 U	1.3 U	1.1 UJ	16	31 J	220
BENZO(A)PYRENE	1.5 U	40	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ	13	25 J	210
BENZO(B)FLUORANTHENE	1.4 U	120	10	1.5 U	1.5 U	1.7 U	11	1.4 UJ	17	34 J	310
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	59	2 U	2.2 U	2.1 U	2.4 U	2.3 U	2 UJ	7	13 J	150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	110	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 UJ	15.275	30 J	310
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ	1.55 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	34	1.8 U	1.9 U	1.9 U	2.1 U	2 U	1.8 UJ	6.95	13 J	100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	442	10	0 U	0 U	0 U	11	0 U	73	146	1300
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	26	28	52	135	219	1.6 U	1.6 U	1.6 U	116	101	86
BAP EQUIVALENT-POS	25	27	51	135	219	1.6 U	1.6 U	1.6 U	116	101	86
BENZO(A)ANTHRACENE	18	18	55 J	122.5	190 J	1.1 U	1.2 U	1.2 U	65 J	51.5	38 J
BENZO(A)PYRENE	20	21	36 J	88	140 J	1.6 U	1.6 U	1.6 U	77	65	53
BENZO(B)FLUORANTHENE	21	26	75 J	187.5	300 J	1.4 U	1.5 U	1.5 U	91	85	79
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	14	12	24 J	59	94 J	2 U	2.1 U	2.1 U	40 J	30	20 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	22	66 J	168	270 J	1.1 U	1.1 U	1.1 U	100 J	76	52 J
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	11.4	22	1.6 U	1.6 U	1.6 U	17	17	17
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	14	13	19 J	41.5	64 J	1.8 U	1.8 U	1.9 U	57	51	45
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	107	112	275	677.5	1080	0 U	0 U	0 U	447	375.5	304
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	27 U	27 U	27 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	21 U	21 U	21 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	18 U	18 U	18 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	17 U	17 U	17 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	230	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	220	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	290	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	120	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	210	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	29	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1229	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	27 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390	38	1.5 U	34	1.5 U	1.6 U	3.7	68	1.5 U	1.6 U	1.55 U
BAP EQUIVALENT-POS	390	38	1.5 U	33	1.5 U	1.6 U	2.0	67	1.5 U	1.6 U	1.55 U
BENZO(A)ANTHRACENE	310	24	1.1 U	29	1.1 U	1.1 U	8.9	54	1.1 U	1.2 U	1.15 U
BENZO(A)PYRENE	260	30	1.5 U	25	1.5 U	1.6 U	1.6 U	51	1.5 U	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	350	29	1.4 U	35	1.4 U	1.5 U	11	79	1.4 U	1.5 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	14	1.9 U	8.6	2 U	2.1 U	2.1 U	28	2 U	2.1 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	270	22	1 U	25	1 U	1.1 U	11	70	1 U	1.1 U	1.05 U
DIBENZO(A,H)ANTHRACENE	48	1.5 U	1.5 U	1.7 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	140	22	1.7 U	12	1.7 U	1.8 U	1.8 U	27	1.7 U	1.8 U	1.75 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1528	141	0 U	134.6	0 U	0 U	30.9	309	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	26 U	25 U	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	19 U	19 U	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	17 U	17 U	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	16 U	16 U	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	2.4
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	0.78
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	7.8
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.1 U	1.05 U	1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.8 U	1.75 U	1.7 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	7.8
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	25 U	24.5 U	24 U	24 U	26 U	25 U
AROCLOR-1221	NA	NA	NA	19 U	19 U	19 U	18 U	20 U	19 U
AROCLOR-1232	NA	NA	NA	16 U	16 U	16 U	16 U	17 U	16 U
AROCLOR-1242	NA	NA	NA	15 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
AROCLOR-1254	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
AROCLOR-1260	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	7.4	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	6.5	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	4.9 J	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	4.7 J	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	8.1	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.6 U	1.6 U	2 U	1.9 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	4.4 J	1.4 U	1.1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	5.4 J	0.43 U	1.8 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	27.5	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	19 U	19 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	17 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	15 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	20 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	20 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	20 U	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	28	1.5 U	577	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	27	1.5 U	577	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	19	1.1 U	350	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	21	1.5 U	410	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	26	1.4 U	500	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.9 U	12	2 U	220	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	20	1.1 U	350	1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	54	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	12	1.8 U	250	1.7 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	110	0 U	2134	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	201	9.8	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	201	8.9	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	130	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	140	7.8	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	180	11	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	89	2 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	130	1.1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	21	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	82	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	772	18.8	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	1.9 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	2.05 U	2 U	2 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1.85 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	89	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	7.0
BAP EQUIVALENT-POS	89	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	6.1
BENZO(A)ANTHRACENE	48	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.2 U	4.9 J
BENZO(A)PYRENE	51	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	4.4 J
BENZO(B)FLUORANTHENE	75	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.6 U	8.7
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	26	2.1 U	2.05 U	2 U	2 U	2 U	2.2 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	46	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	4.3 J
DIBENZO(A,H)ANTHRACENE	23	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	28	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	1.9 U	2.9 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	297	0 U	0 U	0 U	0 U	0 U	0 U	25.2
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.3	2.3	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BAP EQUIVALENT-POS	0.27	0.19	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BENZO(A)ANTHRACENE	1.2 U	1.3 U	1.1 U	1.1 U	1.15 U	1.2 U	1.2 U	1.4 U
BENZO(A)PYRENE	2.2 U	2.2 U	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BENZO(B)FLUORANTHENE	1.7 J	1.9 J	1.4 U	1.4 U	1.45 U	1.5 U	1.5 U	1.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.7 U	2 U	2 U	2.05 U	2.1 U	2.2 U	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.5 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.8 U	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	1.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.96 J	0.44 U	1.8 U	1.8 U	1.85 U	1.9 U	1.9 U	0.48 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2.66	1.9	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BAP EQUIVALENT-POS	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U
BENZO(A)PYRENE	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BENZO(B)FLUORANTHENE	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.8 U	1.6 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.9 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.455 U	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.42 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	1.2 U	26	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.6 U	30	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	1.5 U	54	1.5 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	15	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	31	1.3 U	1.4 U	1.5 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	1.6 U	19	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	18	0.41 U	0.43 U	0.46 U	0.42 U	0.43 U	0.41 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	193	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U
BAP EQUIVALENT-POS	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	23	300	1.1 U
BENZO(A)PYRENE	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	25	260	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	35	330	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.55 U	1.6 U	1.6 U	2 U	2 U	9	150	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.1 U	1 U	25	270	1 U
DIBENZO(A,H)ANTHRACENE	1.65 U	1.7 U	1.7 U	1.5 U	1.5 U	1.6 U	51	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.41 U	0.41 U	0.42 U	1.8 U	1.7 U	17	150	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	134	1511	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	25 U	24 U	25 U	25 U	NA
AROCLOR-1221	NA	NA	NA	19 U	19 U	19 U	19 U	NA
AROCLOR-1232	NA	NA	NA	16 U	16 U	17 U	17 U	NA
AROCLOR-1242	NA	NA	NA	15 U	15 U	16 U	15 U	NA
AROCLOR-1248	NA	NA	NA	20 U	20 U	20 U	20 U	NA
AROCLOR-1254	NA	NA	NA	20 U	20 U	20 U	20 U	NA
AROCLOR-1260	NA	NA	NA	20 U	20 U	20 U	20 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	0 U	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2.1 U	1.9 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.6 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
2-METHYLNAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
ACENAPHTHENE	NA	NA	3.7 U	15	3.8 U	3.65 U	3.5 U	3.6 U
ACENAPHTHYLENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
ANTHRACENE	NA	NA	3.7 U	47	3.8 U	3.65 U	3.5 U	3.6 U
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	3.7 U	258	21	11	3.5 U	3.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	3.7 U	258	19	10	3.5 U	3.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	3.7 U	170	12	6.875	3.5 U	3.6 U
BENZO(A)PYRENE	1.5 U	1.5 U	3.7 U	180	15	8.375	3.5 U	3.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	3.7 U	200	16	8.875	3.5 U	3.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.7 U	120	11	6.375	3.5 U	3.6 U
BENZO(K)FLUORANTHENE	2 U	2 U	3.7 U	120	10	5.875	3.5 U	3.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.2 U	170	14	7.3	1.2 U	1.2 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	3.7 U	30	3.8 U	3.65 U	3.5 U	3.6 U
FLUORANTHENE	NA	NA	11	400	19	10.375	3.5 U	3.6 U
FLUORENE	NA	NA	3.7 U	26	3.8 U	3.65 U	3.5 U	3.6 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	3.7 U	100	8.1	4.925	3.5 U	3.6 U
NAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
PHENANTHRENE	NA	NA	3.7 U	210	9.4	5.575	3.5 U	3.6 U
PYRENE	NA	NA	9.1	310	19	10.375	3.5 U	3.6 U
TOTAL PAHS	0 U	0 U	20.1	2098	133.5	66.75	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	3.6 U	9.8	NA	NA	NA	NA	NA	NA
FLUORENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
PHENANTHRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9.8	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	1.8 L	0.017 UR	0.0175 R	0.018 UR	0.68 L	0.018 UR
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
VOLATILES (UG/KG)		
1,1,1,2-TETRACHLOROETHANE	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA
1,1-DICHLOROETHANE	NA	NA
1,1-DICHLOROETHENE	NA	NA
1,1-DICHLOROPROPENE	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA
1,2-DIBROMOETHANE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,2-DICHLOROETHANE	NA	NA
1,2-DICHLOROPROPANE	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,3-DICHLOROPROPANE	NA	NA
1,3-DICHLOROPROPENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	NA	NA
2,2-DICHLOROPROPANE	NA	NA
2-BUTANONE	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA
2-CHLOROTOLUENE	NA	NA
2-HEXANONE	NA	NA
4-CHLOROTOLUENE	NA	NA
4-ISOPROPYLTOLUENE	NA	NA
4-METHYL-2-PENTANONE	NA	NA
ACETONE	NA	NA
BENZENE	NA	NA
BROMOBENZENE	NA	NA
BROMOCHLOROMETHANE	NA	NA
BROMODICHLOROMETHANE	NA	NA
BROMOFORM	NA	NA
BROMOMETHANE	NA	NA
CARBON DISULFIDE	NA	NA
CARBON TETRACHLORIDE	NA	NA
CHLOROBENZENE	NA	NA
CHLORODIBROMOMETHANE	NA	NA
CHLOROETHANE	NA	NA
CHLOROFORM	NA	NA
CHLOROMETHANE	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA
DIBROMOMETHANE	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA
DIISOPROPYL ETHER	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA
ETHYLBENZENE	NA	NA
FLUORODICHLOROMETHANE	NA	NA
HEXACHLOROBUTADIENE	NA	NA
ISOPROPYLBENZENE	NA	NA
M+P-XYLENES	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA
METHYLENE CHLORIDE	NA	NA
NAPHTHALENE	NA	NA
N-BUTYLBENZENE	NA	NA
N-PROPYLBENZENE	NA	NA
O-XYLENE	NA	NA
SEC-BUTYLBENZENE	NA	NA
STYRENE	NA	NA
TERT-AMYL METHYL ETHER	NA	NA
TERT-BUTYLBENZENE	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA
TETRACHLOROETHENE	NA	NA
TOLUENE	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA
TOTAL XYLENES	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA
TRICHLOROETHENE	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA
VINYL ACETATE	NA	NA
VINYL CHLORIDE	NA	NA
SEMIVOLATILES (UG/KG)		
1,1-BIPHENYL	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA
2,4-DICHLOROPHENOL	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
2,4-DIMETHYLPHENOL	NA	NA
2,4-DINITROPHENOL	NA	NA
2,4-DINITROTOLUENE	NA	NA
2,6-DINITROTOLUENE	NA	NA
2-CHLORONAPHTHALENE	NA	NA
2-CHLOROPHENOL	NA	NA
2-METHYLPHENOL	NA	NA
2-NITROANILINE	NA	NA
2-NITROPHENOL	NA	NA
3&4-METHYLPHENOL	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA
3-NITROANILINE	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA
4-CHLOROANILINE	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA
4-METHYLPHENOL	NA	NA
4-NITROANILINE	NA	NA
4-NITROPHENOL	NA	NA
ACETOPHENONE	NA	NA
ANILINE	NA	NA
ATRAZINE	NA	NA
AZOBENZENE	NA	NA
BENZALDEHYDE	NA	NA
BENZIDINE	NA	NA
BENZOIC ACID	NA	NA
BENZYL ALCOHOL	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA
CAPROLACTAM	NA	NA
CARBAZOLE	NA	NA
DIBENZOFURAN	NA	NA
DIETHYL PHTHALATE	NA	NA
DIMETHYL PHTHALATE	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA
HEXACHLOROBENZENE	NA	NA
HEXACHLOROBUTADIENE	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA
HEXACHLOROETHANE	NA	NA
ISOPHORONE	NA	NA
NITROBENZENE	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA
PENTACHLOROPHENOL	NA	NA
PHENOL	NA	NA
PYRIDINE	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)		
1-METHYLNAPHTHALENE	NA	NA
2-METHYLNAPHTHALENE	NA	NA
ACENAPHTHENE	NA	NA
ACENAPHTHYLENE	NA	NA
ANTHRACENE	NA	NA
BAP EQUIVALENT-HALFND	NA	NA
BAP EQUIVALENT-POS	NA	NA
BENZO(A)ANTHRACENE	NA	NA
BENZO(A)PYRENE	NA	NA
BENZO(B)FLUORANTHENE	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA
BENZO(K)FLUORANTHENE	NA	NA
C1-CHRYSENES	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA
C1-FLUORENES	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA
C2-CHRYSENES	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C2-FLUORENES	NA	NA
C2-NAPHTHALENES	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA
C3-CHRYSENES	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C3-FLUORENES	NA	NA
C3-NAPHTHALENES	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA
C4-CHRYSENES	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C4-NAPHTHALENES	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA
CHRYSENE	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA
FLUORANTHENE	NA	NA
FLUORENE	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA
NAPHTHALENE	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
PHENANTHRENE	NA	NA
PYRENE	NA	NA
TOTAL PAHS	NA	NA
PESTICIDES/PCBS (UG/KG)		
4,4'-DDD	NA	NA
4,4'-DDE	NA	NA
4,4'-DDT	NA	NA
ALDRIN	NA	NA
ALPHA-BHC	NA	NA
ALPHA-CHLORDANE	NA	NA
AROCLOR-1016	NA	NA
AROCLOR-1221	NA	NA
AROCLOR-1232	NA	NA
AROCLOR-1242	NA	NA
AROCLOR-1248	NA	NA
AROCLOR-1254	NA	NA
AROCLOR-1260	NA	NA
BETA-BHC	NA	NA
DELTA-BHC	NA	NA
DIELDRIN	NA	NA
ENDOSULFAN I	NA	NA
ENDOSULFAN II	NA	NA
ENDOSULFAN SULFATE	NA	NA
ENDRIN	NA	NA
ENDRIN ALDEHYDE	NA	NA
ENDRIN KETONE	NA	NA
GAMMA-BHC (LINDANE)	NA	NA
GAMMA-CHLORDANE	NA	NA
HEPTACHLOR	NA	NA
HEPTACHLOR EPOXIDE	NA	NA
METHOXYCHLOR	NA	NA
TOTAL AROCLOR	NA	NA
TOXAPHENE	NA	NA
METALS (MG/KG)		
ANTIMONY	NA	NA
ARSENIC	NA	NA
BARIUM	NA	NA
BERYLLIUM	NA	NA
CADMIUM	NA	NA
CHROMIUM	NA	NA
COBALT	NA	NA
COPPER	NA	NA
IRON	NA	NA
LEAD	NA	NA
MANGANESE	NA	NA
MERCURY	0.89 L	0.022 UR
MOLYBDENUM	NA	NA
NICKEL	NA	NA
SELENIUM	NA	NA
SILVER	NA	NA
THALLIUM	NA	NA
VANADIUM	NA	NA
ZINC	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)		
DIESEL RANGE ORGANICS	NA	NA
GASOLINE RANGE ORGANICS	NA	NA
TPH (C09-C36)	NA	NA
TPH (C10-C32)	NA	NA
MISCELLANEOUS PARAMETERS (%)		
PERCENT SOLIDS	NA	NA
TOTAL SOLIDS	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)		
HEXAVALENT CHROMIUM	NA	NA
TOTAL ORGANIC CARBON	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)		
PH	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)		
MERCURY (METHYL)	NA	NA
RADIONUCLIDES (PCI/G)		
ACTINIUM-228	NA	NA
ALUMINUM-26	NA	NA
AMERICIUM-241	NA	NA
ANTIMONY-124	NA	NA
ANTIMONY-125	NA	NA
BERYLLIUM-7	NA	NA
BISMUTH-212	NA	NA
BISMUTH-214	NA	NA
CERIUM-139	NA	NA
CERIUM-144	NA	NA
CESIUM-134	NA	NA
CESIUM-137	NA	NA
CHROMIUM-51	NA	NA
COBALT-56	NA	NA
COBALT-57	NA	NA
COBALT-58	NA	NA
COBALT-60	NA	NA
EUROPIUM-152	NA	NA
EUROPIUM-154	NA	NA
EUROPIUM-155	NA	NA
IODINE-131	NA	NA

LOCATION	**SB-802**	**SB-802**
SAMPLE ID	**F-SB-802-03**	**F-SB-802-05**
SAMPLE DATE	**20100910**	**20100910**
SAMPLE CODE	**NORMAL**	**NORMAL**
MATRIX	**SO**	**SO**
SAMPLE TYPE	**NORMAL**	**NORMAL**
SUBMATRIX	**SB**	**SB**
TOP DEPTH	**3**	**5**
BOTTOM DEPTH	**3**	**5**
IRON-59	NA	NA
LEAD-212	NA	NA
LEAD-214	NA	NA
MANGANESE-54	NA	NA
NIOBIUM-94	NA	NA
NIOBIUM-95	NA	NA
POTASSIUM-40	NA	NA
PROTACTINIUM-234	NA	NA
RADIUM-226	NA	NA
RUTHENIUM-106	NA	NA
SCANDIUM-46	NA	NA
SILVER-110	NA	NA
SODIUM-22	NA	NA
THALLIUM-208	NA	NA
THORIUM-227	NA	NA
THORIUM-234	NA	NA
URANIUM-235	NA	NA
ZINC-65	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMOETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-CHLOROTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-HEXANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
4-CHLOROTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
4-METHYL-2-PENTANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
ACETONE	NA	40 J	11 J	16 J	9 J	28 J	27 J
BENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOCHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOFORM	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CARBON DISULFIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLORODIBROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROFORM	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DIBROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
ISOPROPYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	NA	18 U	18 U	18 U	17 U	19 U	18 U
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	6 U	6 U	6 U	6 U
METHYLENE CHLORIDE	NA	6 U	5 J	6 J	5 J	6 U	6 U
NAPHTHALENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
N-PROPYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
O-XYLENE	NA	18 U	18 U	18 U	17 U	19 U	18 U
SEC-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
STYRENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
VINYL ACETATE	NA	6 U	6 U	6 U	6 U	6 U	6 U
VINYL CHLORIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	400 U	390 U	390 U	390 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2,4,6-TRICHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4-DICHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	5	5	10
2,4-DIMETHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4-DINITROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2,4-DINITROTOLUENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,6-DINITROTOLUENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-CHLORONAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-CHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-NITROANILINE	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2-NITROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
3&4-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
3-NITROANILINE	NA	1000 U	980 U	980 U	970 U	1000 U	990 U
4,6-DINITRO-2-METHYLPHENOL	NA	920 U	900 U	910 U	890 U	960 U	910 U
4-BROMOPHENYL PHENYL ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLOROANILINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLOROPHENYL PHENYL ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
4-NITROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
ACETOPHENONE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BUTYL BENZYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
CAPROLACTAM	NA	400 U	390 U	390 U	390 U	390 U	400 U
CARBAZOLE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIBENZOFURAN	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIETHYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIMETHYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DI-N-BUTYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DI-N-OCTYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROBENZENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROBUTADIENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROETHANE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ISOPHORONE	NA	400 U	390 U	390 U	390 U	390 U	400 U
NITROBENZENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
N-NITROSODIPHENYLAMINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PENTACHLOROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
PHENOL	NA	400 U	390 U	390 U	390 U	420 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ACENAPHTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ACENAPHTHYLENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BAP EQUIVALENT-HALFND	NA	400 U	390 U	390 U	390 U	390 U	400 U
BAP EQUIVALENT-POS	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(A)ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(A)PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(B)FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(K)FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
FLUORENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
NAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PHENANTHRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1221	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1232	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1242	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1248	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1254	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1260	NA	60 U	59 U	59 U	58 U	62 U	59 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	3 UL	2.9 UL	3 UL	2.9 UL	3.1 UL	3 UL
ARSENIC	NA	2.9 L	2.7 L	1.5 L	1 L	3.5 L	2.3 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
CADMIUM	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
CHROMIUM	NA	13 L	16 L	5.3 L	2.9 UR	13 L	12 L
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	10	13	3 U	2.9 U	28	7.8
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	10 L	6 L	3 UL	2.9 UL	46 L	12 L
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.94	0.17
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	8.9 L	14 L	3.6 L	2.9 UL	12 L	6.7 L
SELENIUM	NA	3 UR	2.9 UR	3 UR	2.9 UR	3.1 UR	3 UR
SILVER	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
THALLIUM	NA	2.4 UL	2.3 UL	2.4 UL	2.3 UL	2.5 UL	2.4 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	60 UJ	59 UJ	59 UJ	58 UJ	100 J	59 UJ
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	24000 U	23000 U	24000 U	23000 U	25000 U	24000 U
GASOLINE RANGE ORGANICS	NA	120 U	120 U	120 U	120 U	120 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	70	85	84	86	80	84
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	238 U	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
SAMPLE ID	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5
SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-BUTANONE	59 U	59 U	6 J	67 U	65 U	9 J	58 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-HEXANONE	59 U	59 U	65 U	67 U	65 U	66 U	58 U	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	59 U	65 U	67 U	65 U	66 U	58 U	NA	NA	NA	NA
ACETONE	59 U	59 U	48 J	29 J	14 J	45 J	58 U	NA	NA	NA	NA
BENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOFORM	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROFORM	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
M+P-XYLENES	18 U	18 U	20 U	20 U	19 U	20 U	17 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
METHYLENE CHLORIDE	5 J	6 J	7 U	7 J	6 J	7 U	6 J	NA	NA	NA	NA
NAPHTHALENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
O-XYLENE	18 U	18 U	20 U	20 U	19 U	20 U	17 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
STYRENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
VINYL ACETATE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA

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SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
2,4-DIMETHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4-DINITROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2-NITROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3&4-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	910 U	NA	NA	NA	NA	880 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
4-NITROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
ACETOPHENONE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
CAPROLACTAM	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
CARBAZOLE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIBENZOFURAN	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ISOPHORONE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
NITROBENZENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PENTACHLOROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
PHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ACENAPHTHENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	36
BAP EQUIVALENT-POS	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	35
BENZO(A)ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	1.1 U	1.1 U	1.1 U	28
BENZO(A)PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	26
BENZO(B)FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	1.4 U	1.3 U	1.4 U	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	2 U	1.9 U	2 U	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	NA	NA	NA	NA	380 U	1 U	1 U	1.1 U	29
DIBENZO(A,H)ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
FLUORENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	1.7 U	1.7 U	1.8 U	23
NAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PHENANTHRENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	NA	NA	NA	NA	0 U	0 U	0 U	0 U	159
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	59 U	59 U	NA	NA	NA	NA	58 U	24 U	24 U	25 U	24 U
AROCLOR-1221	59 U	59 U	NA	NA	NA	NA	58 U	19 U	18 U	19 U	18 U
AROCLOR-1232	59 U	59 U	NA	NA	NA	NA	58 U	16 U	16 U	16 U	16 U
AROCLOR-1242	59 U	59 U	NA	NA	NA	NA	58 U	15 U	15 U	15 U	15 U
AROCLOR-1248	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
AROCLOR-1254	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
AROCLOR-1260	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	2.9 UL	3 UL	NA	NA	NA	NA	2.9 UL	NA	NA	NA	NA
ARSENIC	0.92 L	1.7 L	NA	NA	NA	NA	0.99 L	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.9 U	4.6	NA	NA	NA	NA	3.2	NA	NA	NA	NA
CADMIUM	2.9 U	3 U	NA	NA	NA	NA	2.9 U	NA	NA	NA	NA
CHROMIUM	11 L	16 L	NA	NA	NA	NA	19 L	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	8	19	NA	NA	NA	NA	21	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	6.6 L	14 L	NA	NA	NA	NA	7.4 L	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	24 L	46 L	NA	NA	NA	NA	33 L	NA	NA	NA	NA
SELENIUM	2.9 UR	3 UR	NA	NA	NA	NA	4.4 L	NA	NA	NA	NA
SILVER	2.9 U	3 U	NA	NA	NA	NA	2.9 U	NA	NA	NA	NA
THALLIUM	2.4 UL	2.4 UL	NA	NA	NA	NA	2.3 UL	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	59 UJ	110 J	NA	NA	NA	NA	58 UJ	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	24000 U	24000 U	NA	NA	NA	NA	23000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	130 U	130 U	130 U	130 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	85	84	77	75	77	76	87	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
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SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID	F-SB-93RE-6	F-SB-93RE-7	F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	12	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	11	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	15	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.2	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	11	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	9.8	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	10	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	78	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	24 U	25 U	25 U	25 U	25 U	24 U	24 U	25 U	24 U
AROCLOR-1221	19 U	19 U	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	18 U
AROCLOR-1232	16 U	16 U	16 U	16 U	17 U	17 U	16 U	16 U	16 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	15 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID	F-SB-93RE-6	F-SB-93RE-7	F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	29	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	28	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	52	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	21	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	54	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	28	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	67	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	11	2 U	2 U	2 U	2 U	2.1 U	2 U	32	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	48	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	23	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	43	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	123	0 U	0 U	0 U	0 U	0 U	0 U	296	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	6 UJ	6 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	658	6 UJ	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	1300 U	6 UJ	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	139 J	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	51800 UR	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UR	30 UR
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	518 UR	6 UJ	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	6 UJ	6 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UJ	30 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	165 J	6 UJ	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	1040 U	31 UJ	30 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 UR	21 J	14 J
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	394	6 UJ	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	777 U	6 UJ	6 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	83.1 J	6 UJ	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	270 J	12 UJ	12 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	147 J	11 B	8 B
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	159000	6 UJ	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	125 J	6 UJ	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	186 J	6 UJ	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	3890 U	12 UR	12 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 UJ	12 U
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	456 J	18 UJ	18 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	2 J	12 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 UJ	12 UJ	12 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	400 U	400 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	68 J	400 U	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	606 U	1000 U	980 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	1000 U	980 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	812 U	400 U	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	1000 U	980 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	812 UR	1000 U	980 U
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	812 U	1000 U	980 U
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	5690	400 U	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	3980	400 U	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	81 J	400 U	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	1020 U	1000 U	980 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3420	400 U	390 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	6900	400 U	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	6960	400 U	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	69 J	400 U	390 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	2510	400 U	390 U
BAP EQUIVALENT-HALFND	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	18	NA	NA	2963	400 U	390 U
BAP EQUIVALENT-POS	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	17	NA	NA	2963	400 U	390 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	12	NA	NA	2700	400 U	390 U
BENZO(A)PYRENE	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	13	NA	NA	1960	400 U	390 U
BENZO(B)FLUORANTHENE	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	18	NA	NA	2080	400 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	1240 J	400 U	390 U
BENZO(K)FLUORANTHENE	2.2 U	2 U	2 U	2 U	2 U	9.2	NA	NA	2010	400 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
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SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	14	NA	NA	1800	400 U	390 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	NA	392 J	400 U	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	10000	400 U	390 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	6330	400 U	390 U
INDENO(1,2,3-CD)PYRENE	2 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1	NA	NA	1110 J	400 U	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	31000	400 U	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	18600	400 U	390 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	7570	400 U	390 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	75.3	NA	NA	103231	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	2 L	0.3 UL	0.3 L	0.67 U	0.78 U
ARSENIC	NA	NA	NA	NA	NA	NA	7	2 B	3	4.6	2.9 K
BARIUM	NA	NA	NA	NA	NA	NA	103	35	24	22.8	15.1
BERYLLIUM	NA	NA	NA	NA	NA	NA	0.6	3.2	2	0.96	3.2
CADMIUM	NA	NA	NA	NA	NA	NA	0.5	0.3	0.5	0.36 U	0.41 U
CHROMIUM	NA	NA	NA	NA	NA	NA	20.6	24.6	23.9	25.1	29
COBALT	NA	NA	NA	NA	NA	NA	6.2	8	14.8	3.2 B	8.5 K
COPPER	NA	NA	NA	NA	NA	NA	38	11	14	14.6	17.5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	81	11	14	8	8.7
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.97 L	0.01	0.07	0.01	0.01 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	0.6 B	0.5 U	0.7 B	0.41 K	0.44 K
NICKEL	NA	NA	NA	NA	NA	NA	17	23	27	9.7	24.3
SELENIUM	NA	NA	NA	NA	NA	NA	3	2 U	2 U	0.59 U	0.68 U
SILVER	NA	NA	NA	NA	NA	NA	2.3	0.05 U	0.05 U	0.72	0.99
THALLIUM	NA	NA	NA	NA	NA	NA	0.9 U	1 U	1 U	1 U	1.16 U
VANADIUM	NA	NA	NA	NA	NA	NA	26.9	35.1	34.1	40.4	32.5
ZINC	NA	NA	NA	NA	NA	NA	131	41	57	27.1	32.2
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	881000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	21200	2800 U	2600 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	6100 U	6000 U
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	81	84
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	0.4 U	0.36 U	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	7.7	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	1.21 J	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-BUTANONE	31 UR	30 UR	28 UR	30 UR	30 UR	30 UR	29 UR	29 UR	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-HEXANONE	31 UJ	30 U	28 U	30 U	30 U	30 U	29 UJ	29 U	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	31 UJ	30 U	28 U	30 U	30 U	30 U	29 UJ	29 U	NA	NA	NA
ACETONE	29 J	14 J	37 L	36 L	29 B	16 B	29 UR	16 B	NA	NA	NA
BENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOFORM	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
CARBON DISULFIDE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
CHLOROFORM	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 UJ	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
DIBROMOMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
DIISOPROPYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
M+P-XYLENES	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
METHYLENE CHLORIDE	8 B	6 B	7 B	8 B	6 U	6 U	6 UJ	7 B	NA	NA	NA
NAPHTHALENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
N-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
N-PROPYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
O-XYLENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
STYRENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	12 UR	12 UR	11 UR	12 UR	12 UJ	12 UJ	12 UR	12 UR	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
TOTAL XYLENES	19 UJ	18 U	17 U	18 U	18 U	18 U	17 UJ	18 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
VINYL ACETATE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
VINYL CHLORIDE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,2-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,3-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,4-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,4-DIOXANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4-DICHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
2,4-DIMETHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4-DINITROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2,4-DINITROTOLUENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,6-DINITROTOLUENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-CHLORONAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-CHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2-NITROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
3&4-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
3-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 UR	960 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-CHLOROANILINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
4-NITROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 UR	960 U	NA	NA	NA
BENZOIC ACID	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 UJ	NA	NA	NA
BENZYL ALCOHOL	410 U	390 U	380 U	390 UR	390 U	400 U	380 UR	390 U	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	410 U	190 J	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIBENZOFURAN	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIETHYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIMETHYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROBUTADIENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	410 U	390 U	380 U	390 UJ	390 U	400 U	380 U	390 UJ	NA	NA	NA
HEXACHLOROETHANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ISOPHORONE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
NITROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
PENTACHLOROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
PHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PYRIDINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-METHYLNAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ACENAPHTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ACENAPHTHYLENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-HALFND	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(A)PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(K)FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
FLUORENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
NAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PHENANTHRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1221	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1232	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1242	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1248	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1254	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1260	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	0.91 U	0.74 U	0.79 U	0.82 U	0.64 UL	0.78 UL	0.74 UL	0.84 UL	NA	NA	NA
ARSENIC	5.7	2.4 K	3.3	3 K	3.5	2 K	1.3 K	2.2 K	NA	NA	NA
BARIUM	14.5	13.7	16.3	22.3	17.7	19.6	12.5	42.2	NA	NA	NA
BERYLLIUM	3.6	3.6	3.1	3.7	4.3	3.8	1.8	2.6	NA	NA	NA
CADMIUM	0.48 U	0.39 U	0.42 U	0.44 U	0.06 U	0.08 U	0.07 U	0.08 U	NA	NA	NA
CHROMIUM	38.7	21.1	26.1	19.2	16.3 K	39.4 K	18.6 K	16 K	NA	NA	NA
COBALT	32.3	6 K	6 K	8.7 K	8	5.3	11	9.3	NA	NA	NA
COPPER	40.4	21.9	21.9	15.9	18	11.6	10.9	11.2	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	9.9	7.6	8.3	8.5	8.4	10.4	4	11.2	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 B	NA	NA	NA
MOLYBDENUM	0.55 K	0.36 U	0.43 K	0.45 K	0.32	0.35	0.18 U	0.2 U	NA	NA	NA
NICKEL	31.4	21.3	24	25.4	23.3	17.8	13.7	18.1	NA	NA	NA
SELENIUM	0.8 U	0.65 U	0.69 U	0.72 U	0.56 UL	0.69 UL	0.65 UL	0.73 UL	NA	NA	NA
SILVER	1.6	1.2	0.84 U	0.88 U	0.08 U	0.07 U	0.09 U	0.11 U	NA	NA	NA
THALLIUM	1.36 U	1.11 U	1.17 U	1.3 B	0.96 U	1.17 U	1.5 B	2 B	NA	NA	NA
VANADIUM	61.6	32.8	35.3	31.8	28.4	46.4	27.2	20.7	NA	NA	NA
ZINC	58	26.8	24.1	33.2	34.7	30.8	40.9	42.7	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2600 U	2800 U	2800 U	2700 U	2800 U	2900 U	2700 U	2800 U	NA	NA	NA
TPH (C09-C36)	4900 J	5900 U	3500 J	3800 J	3600 B	2800 B	2900 B	2900 B	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	76.2	80.4	79.2
TOTAL SOLIDS	80	84	88	84	84	83	86	85	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385	SB-386	SB-386
SAMPLE ID	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708	SB-386-0203	SB-386-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	51 J	38 J	10 J	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	38	10	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1221	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1232	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1242	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1248	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1254	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1260	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	87.2	79.2	83.1	86	84.6	76.6	91	93	84.7	89.2	89.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
SAMPLE ID	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
SAMPLE ID	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33	9.7
BAP EQUIVALENT-POS	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33	9.7
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33 J	9.7 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
SAMPLE ID	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	33	9.7
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1221	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1232	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1242	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1248	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1254	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1260	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	84.1	91.4	84.4	88.8	87.6	90.8	90.3	85	87.5	86.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
SAMPLE ID	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMOETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	6 U	6 U	6 U	6 U
2-CHLOROTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
2-HEXANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
4-CHLOROTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
4-METHYL-2-PENTANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
ACETONE	NA	NA	61 UJ	62 UJ	57 UJ	58 UJ	60 U
BENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOCHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOFORM	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CARBON DISULFIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLORODIBROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROFORM	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
DIBROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	NA	NA	12 U	12 U	11 U	12 U	12 U
METHYL TERT-BUTYL ETHER	NA	NA	6 U	6 U	6 U	6 U	6 U
METHYLENE CHLORIDE	NA	NA	7 B	6 U	6 U	6 U	6 U
NAPHTHALENE	NA	NA	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
N-PROPYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
O-XYLENE	NA	NA	6 U	6 U	6 U	6 U	6 U
SEC-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
STYRENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
VINYL ACETATE	NA	NA	6 U	6 U	6 U	6 U	6 U
VINYL CHLORIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	410 U	420 U	380 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2,4,6-TRICHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4-DICHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
2,4-DIMETHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4-DINITROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2,4-DINITROTOLUENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2,6-DINITROTOLUENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2-CHLORONAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2-CHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2-NITROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
3&4-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	NA	NA	410 U	420 U	380 U	390 U	400 U
3-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	940 U	960 U	860 U	890 U	910 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLOROANILINE	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
4-NITROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
ACETOPHENONE	NA	NA	410 U	420 U	380 U	390 U	400 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	410 U	420 U	380 U	390 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	410 U	420 U	380 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
BUTYL BENZYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
CAPROLACTAM	NA	NA	410 U	420 U	380 U	390 U	400 U
CARBAZOLE	NA	NA	410 U	420 U	380 U	390 U	400 U
DIBENZOFURAN	NA	NA	410 U	420 U	380 U	390 U	400 U
DIETHYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
DIMETHYL PHTHALATE	NA	NA	410 U	310 J	380 U	390 U	400 U
DI-N-BUTYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
DI-N-OCTYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROBENZENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROBUTADIENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROETHANE	NA	NA	410 U	420 U	380 U	390 U	400 U
ISOPHORONE	NA	NA	410 U	420 U	380 U	390 U	400 U
NITROBENZENE	NA	NA	410 U	420 U	380 U	390 U	400 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	410 U	420 U	380 U	390 U	400 U
N-NITROSODIPHENYLAMINE	NA	NA	410 U	420 U	380 U	390 U	400 U
PENTACHLOROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
PHENOL	NA	NA	480	420 U	910	730	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ACENAPHTHENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ACENAPHTHYLENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ANTHRACENE	NA	NA	410 U	420 U	380 U	390 U	400 U
BAP EQUIVALENT-HALFND	NA	NA	410 U	464	380 U	390 U	400 U
BAP EQUIVALENT-POS	NA	NA	410 U	254	380 U	390 U	400 U
BENZO(A)ANTHRACENE	NA	NA	410 U	220 J	380 U	390 U	400 U
BENZO(A)PYRENE	NA	NA	410 U	200 J	380 U	390 U	400 U
BENZO(B)FLUORANTHENE	NA	NA	410 U	190 J	380 U	390 U	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	410 U	140 J	380 U	390 U	400 U
BENZO(K)FLUORANTHENE	NA	NA	410 U	160 J	380 U	390 U	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	410 U	250 J	380 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	NA	410 U	420 U	380 U	390 U	400 U
FLUORANTHENE	NA	NA	410 U	490	380 U	390 U	400 U
FLUORENE	NA	NA	410 U	420 U	380 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	NA	410 U	110 J	380 U	390 U	400 U
NAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
PHENANTHRENE	NA	NA	410 U	190 J	380 U	390 U	400 U
PYRENE	NA	NA	410 U	370 J	380 U	390 U	400 U
TOTAL PAHS	NA	NA	0 U	2320	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	24 U	NA	22 U	NA	23 U
4,4'-DDE	NA	NA	24 U	NA	22 U	NA	23 U
4,4'-DDT	NA	NA	24 U	NA	22 U	NA	23 U
ALDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ALPHA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
ALPHA-CHLORDANE	NA	NA	24 U	NA	22 U	NA	23 U
AROCLOR-1016	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1221	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1232	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1242	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1248	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1254	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1260	NA	NA	300 U	310 U	280 U	280 U	290 U
BETA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
DELTA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
DIELDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN I	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN II	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN SULFATE	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN ALDEHYDE	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN KETONE	NA	NA	24 U	NA	22 U	NA	23 U
GAMMA-BHC (LINDANE)	NA	NA	24 U	NA	22 U	NA	23 U
GAMMA-CHLORDANE	NA	NA	24 U	NA	22 U	NA	23 U
HEPTACHLOR	NA	NA	24 U	NA	22 U	NA	23 U
HEPTACHLOR EPOXIDE	NA	NA	24 U	NA	22 U	NA	23 U
METHOXYCHLOR	NA	NA	24 U	NA	22 U	NA	23 U
TOTAL AROCLOR	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	600 U	NA	560 U	NA	580 U
METALS (MG/KG)							
ANTIMONY	2.8 U	2.7 U	2.8 U	2.8 UR	2.6 UR	2.9 UR	3 UR
ARSENIC	0.96	1.2	1.9	0.58 L	0.53 UL	0.58 UL	0.59 UL
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.7 U	6.2	2.8 U	2.6 U	2.9 U	3 UL
CADMIUM	2.8 U	2.7 U	2.8 U	2.8 UL	2.6 UL	2.9 UL	3 UL
CHROMIUM	13	5.8	15	8.4 L	15 L	10 L	20
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	8.7	10	56	12	10	4.7 K	13 L
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	6.7	4.8	8.4	5.2 J	3.2 J	2.9 UJ	8.7 L
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	0.11 U	0.11 UL	0.11 UL	0.12 UL	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	18	28	150	11	11	5.3 K	17
SELENIUM	2.8 U	2.7 U	2.8	2.8 UL	2.6 UL	2.9 UL	4.3 L
SILVER	2.6 U	2.5 U	3 UL	2.8 UR	2.6 UR	2.9 UR	3 UR
THALLIUM	2.2 UL	2.2 UL	2.2 U	2.3 UL	2.1 UL	2.3 UL	2.4 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	43 K	140	270	62 J	26 UL	29 UL	30 U
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	12000 U	12000 U	11000 U	11000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	120 U	120 U	110 U	110 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-BUTANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-HEXANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
ACETONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
BENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOFORM	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROFORM	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
M+P-XYLENES	12 U	12 U	11 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
NAPHTHALENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
O-XYLENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
STYRENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
VINYL ACETATE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
2,4-DIMETHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2-NITROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	920 U	890 U	930 U	900 U	890 U	910 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
4-NITROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
ACETOPHENONE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
CAPROLACTAM	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
CARBAZOLE	390 U	200 J	380 J	400 U	390 U	390 U	400 U	NA	NA	NA
DIBENZOFURAN	390 U	73 J	130 J	400 U	390 U	390 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	390 U	400 U	77 J	390 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ISOPHORONE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
NITROBENZENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
PHENOL	390 U	400 U	390 U	140 J	390 U	390 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ACENAPHTHENE	390 U	110 J	190 J	400 U	390 U	390 U	400 U	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ANTHRACENE	390 U	270 J	430	400 U	390 U	390 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	847	1435	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BAP EQUIVALENT-POS	390 U	647	1240	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BENZO(A)ANTHRACENE	390 U	620	1200	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(A)PYRENE	390 U	490	950	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BENZO(B)FLUORANTHENE	390 U	630	1000	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	280 J	600 J	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	450	940	400 U	390 U	390 U	400 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	660	1200	400 U	390 U	390 U	400 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
FLUORANTHENE	390 U	1500	2700	400 U	390 U	390 U	400 U	NA	NA	NA
FLUORENE	390 U	110 J	200 J	400 U	390 U	390 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	270 J	590	400 U	390 U	390 U	400 U	NA	NA	NA
NAPHTHALENE	390 U	400 U	58 J	400 U	390 U	390 U	400 U	NA	NA	NA
PHENANTHRENE	390 U	1200	2200	400 U	390 U	390 U	400 U	NA	NA	NA
PYRENE	390 U	1100	1900	400 U	390 U	390 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	7690	14158	0 U	0 U	0 U	0 U	0 U	990	0 U
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
4,4'-DDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
4,4'-DDT	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALPHA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALPHA-CHLORDANE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
AROCLOR-1016	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1221	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1232	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1242	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1248	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1254	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1260	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
BETA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
DELTA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
DIELDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN I	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN II	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN SULFATE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN ALDEHYDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN KETONE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
GAMMA-BHC (LINDANE)	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
GAMMA-CHLORDANE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
HEPTACHLOR	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
HEPTACHLOR EPOXIDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
METHOXYCHLOR	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	580 U	590 U	1100 U	600 U	580 U	570 U	580 U	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	2.8 UR	2.9 UR	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA
ARSENIC	0.56 UL	0.58 UL	0.55 UL	0.58 UL	0.59 UL	0.52 UL	0.59 UL	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 UL	3.2 L	2.8 UL	5.2 L	2.9 UL	2.6 UL	4.1 L	NA	NA	NA
CADMIUM	2.8 UL	2.9 UL	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA
CHROMIUM	9.9 K	14	20	19	9.6 K	2.6 U	17	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	10 L	21 L	11 L	24 L	5.5 L	4.3 L	13 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	2.9 L	6.7 L	17 L	5.2 L	3.2 L	2.6 UL	4.3 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.12 U	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	4 K	12	21	21	8.4	2.6 U	22	NA	NA	NA
SELENIUM	2.8 UL	4.2 L	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA
SILVER	2.8 UR	2.9 UR	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA
THALLIUM	2.2 UL	2.3 UL	2.2 UL	2.3 UL	2.4 UL	2.1 UL	2.4 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	28 U	29 U	33 K	29 U	29 U	26 U	30 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	12000 U	17000	12000 U	12000 U	12000 U	12000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	120 U	120 U	120 U	120 U	120 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	78.4	82.8	82.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2 U	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25	1.5 U	1.5
BAP EQUIVALENT-POS	2 U	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25	1.5 U	1.5
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	2 U	1.5 U	1.5 U	1.5 U	20 J	1.5 U	1.4 U	7.5 J	1.5 U	25 J	1.5 U	1.5
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	20	0 U	0 U	7.5	0 U	25	0 U	0
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1221	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1232	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1242	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1248	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1254	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1260	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	65.8	87	85.3	89.3	84.9	84.4	92.6	93.5	86.9	90.6	86.7	86.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	'	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	)	3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	'	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	)	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	850	1.5 U	33	1.5 U
BAP EQUIVALENT-POS	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	850	1.5 U	33	1.5 U
BENZO(A)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 UJ	850	1.5 U	33 J	1.5 U
BENZO(B)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	'	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	)	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	850	0 U	33	0 U
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1221	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1232	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1242	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1248	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1254	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1260	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	19 J	39 U	38 U	37 U
BETA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	19	0 U	0 U	0 U
TOXAPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS		95.9	86.9	87	86	84.8	83.8	89.4	95.1	85.2	86	89.4
TOTAL SOLIDS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH		3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
SAMPLE ID	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
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SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	22	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BAP EQUIVALENT-POS	1.5 U	1.4 U	22	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	22 J	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1221	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1232	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1242	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1248	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1254	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1260	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	86.3	89.9	84.5	83.3	92.1	84.1	80.3	88.3	83.1	86	84.7	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
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SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
2,4-DIMETHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BAP EQUIVALENT-POS	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BENZO(A)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18 J	72 J	1.4 U	330 J	230 J	320 J
BENZO(B)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
C3-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	U	0 U	0 U	0 U	0 U	0 U	18	72	0 U	330	230	320
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1221	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1232	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1242	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1248	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1254	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1260	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	21 J
BETA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	21
TOXAPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS		84.1	88.4	84.7	83.5	81.2	78	76.5	90.3	83.3	77.4	87.5
TOTAL SOLIDS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
BISMUTH-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-48
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	62	85	190	110	30	50	12	1.6 U	1.6 U	67	1.8 U	260
BAP EQUIVALENT-POS	62	85	190	110	30	50	12	1.6 U	1.6 U	67	1.8 U	260
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	62 J	85 J	190 J	110 J	30 J	50 J	12 J	1.6 U	1.6 U	67 J	1.8 U	260
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	62	85	190	110	30	50	12	0 U	0 U	67	0 U	260
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1221	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1232	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1242	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1248	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1254	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1260	41 U	42 U	42 U	45 U	45 U	39 U	15 J	41 U	40 U	42 U	45 U	43
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	15	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	79.9	78.3	78.1	73.7	72.7	83.8	86.1	81.1	81.6	78.5	73.5	76.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	2	4	7	4	7
BOTTOM DEPTH	3	5	8	5	8
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA
ACETONE		NA	NA	NA	NA
BENZENE		NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA
STYRENE		NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	7	4	7	4	7
BOTTOM DEPTH	8	5	8	5	8
2,4-DIMETHYLPHENOL		NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA
ANILINE		NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA
PHENOL		NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE		NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA
BAP EQUIVALENT-HALFND		9.8	21	110	31
BAP EQUIVALENT-POS		9.8	21	110	31
BENZO(A)ANTHRACENE		NA	NA	NA	NA
BENZO(A)PYRENE	J	9.8 J	21 J	110 J	31 J
BENZO(B)FLUORANTHENE		NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	2	4	7	4	7
BOTTOM DEPTH	3	5	8	5	8
C3-CHRYSENES		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA
PYRENE		NA	NA	NA	NA
TOTAL PAHS		9.8	21	110	31
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD		NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA
AROCLOR-1016	U	42 U	45 U	42 U	38 U
AROCLOR-1221	U	42 U	45 U	42 U	38 U
AROCLOR-1232	U	42 U	45 U	42 U	38 U
AROCLOR-1242	U	42 U	45 U	42 U	38 U
AROCLOR-1248	U	42 U	45 U	42 U	38 U
AROCLOR-1254	U	42 U	45 U	42 U	38 U
AROCLOR-1260	U	42 U	45 U	42 U	38 U
BETA-BHC		NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U
TOXAPHENE		NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY		NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA
BARIUM		NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA
COBALT		NA	NA	NA	NA
COPPER		NA	NA	NA	NA
IRON		NA	NA	NA	NA
LEAD		NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA
MERCURY		NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA
NICKEL		NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA
SILVER		NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA
ZINC		NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS		NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS		79.3	73.3	79.4	86.6
TOTAL SOLIDS		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM		NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)		NA	NA	NA	NA
RADIONUCLIDES (PCI/G)					
ACTINIUM-228		NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH		4	7	4	7
BOTTOM DEPTH		5	8	5	8
BISMUTH-212		NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA
IRON-59		NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056
SAMPLE ID				F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7
SAMPLE DATE				20090922	20090922	20090922	20090918	20090918	20090918	20090918	20090918	20090918	20090918
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	5	10	10	3	4	5	6	7
BOTTOM DEPTH				3	4	5	10	10	3	4	5	6	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	2 U	2 U	1.9 U	1.9 U	2.1 U	2.1 U	2 U
CHRYSENE	22000	15000	C	NA	NA	NA	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	1.7 U	1.8 U	1.7 U	1.7 U	1.9 U	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.086	0.083	0.021 U	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE	SB-268RE	SB-268RE
SAMPLE ID				F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4	F-SB-268RE-10	F-SB-268RE-3
SAMPLE DATE				20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	4	3	4	3	4	10	3
BOTTOM DEPTH				8	9	3	4	3	4	3	4	10	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	36	1.7 U	2.5	1.5 U	1.5 U	1.5 U	441	7604
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	36	1.7 U	0.87	1.5 U	1.5 U	1.5 U	441	7604
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	24	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	340	5700
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	26	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	280	5200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	41	1.5 U	8.7	1.4 U	1.4 U	1.4 U	450	6500
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	14	2.2 U	2 U	1.9 U	1.9 U	2 U	8.3 U	2900
CHRYSENE	22000	15000	C	1 U	1 U	28	1.1 U	1.1 U	1 U	1 U	1.1 U	290	5400
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	62	860
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	29	1.9 U	1.8 U	1.7 U	1.7 U	1.8 U	200	2900
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	162	0 U	8.7	0 U	0 U	0 U	1622	29460
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	20 U	19 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE	SB-269RE
SAMPLE ID				F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3	F-SB-269RE-4
SAMPLE DATE				20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	7	7	8	9	3	4
BOTTOM DEPTH				4	5	6	7	7	7	8	9	3	4
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		745	298	1376	709	1876	3043	4.8	116	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	745	298	1376	709	1876	3043	4.0	116	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	550	220	1000	490 J	1395	2300 J	3.4 J	87	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	520	210	980	510 J	1305	2100 J	3.1 J	75	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	580	280	1200	590 J	1595	2600 J	3.2 J	110	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	350	110	600	340 J	720	1100 J	1.6 U	1.6 U	2 U	1.9 U
CHRYSENE	22000	15000	C	480	210	850	500 J	1250	2000 J	2.9 J	70	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	79	26	120	61 J	190.5	320 J	1.7 U	16	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	290	110	490	260 J	730	1200 J	1.9 J	49	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		2849	1166	5240	2751	7185.5	11620	14.5	407	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID			F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE			20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH			3	4	3	4	3	4	5	3	4	6
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U	2 U	2 U	2 U
CHRYSENE	22000	15000 C	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (8)	220 C(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397
SAMPLE ID				F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7
SAMPLE DATE				20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	4	5	5	5	6	7	6	7
BOTTOM DEPTH				7	3	4	5	5	5	6	7	6	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	329	1.5 U	29	44	58	1.5 U	1.5 U	37	25
BAP EQUIVALENT-POS	22	15	C	1.5 U	329	1.5 U	28	43	58	1.5 U	1.5 U	36	24
BENZO(A)ANTHRACENE	220	150	C	1.1 U	230	1.1 U	21 J	33	45 J	1.1 U	1.1 U	27	18
BENZO(A)PYRENE	22	15	C	1.5 U	230	1.5 U	22 J	33.5	45 J	1.5 U	1.5 U	28	19
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	270	1.4 U	29 J	40.5	52 J	1.4 U	1.4 U	34	21
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	120	2 U	9.5 J	19.25	29 J	2 U	1.9 U	17	13
CHRYSENE	22000	15000	C	1 U	250	1.1 U	21 J	33.5	46 J	1.1 U	1 U	27	18
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	120	1.8 U	13 J	20	27 J	1.8 U	1.7 U	15	10
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1256	0 U	115.5	179.75	244	0 U	0 U	148	99
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-405	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628
SAMPLE ID				F-SB-405RE-10	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10
SAMPLE DATE				20090922	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	9	3	4	5	3	3	3	3	10
BOTTOM DEPTH				10	9	3	4	5	3	3	3	3	10
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		30	2582	NA	NA	NA	NA	NA	NA	NA	1.6 U
BAP EQUIVALENT-POS	22	15	C	29	2577	NA	NA	NA	NA	NA	NA	NA	1.6 U
BENZO(A)ANTHRACENE	220	150	C	31	3000	NA	NA	NA	NA	NA	NA	NA	1.2 U
BENZO(A)PYRENE	22	15	C	22	1900	NA	NA	NA	NA	NA	NA	NA	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	30	2900	NA	NA	NA	NA	NA	NA	NA	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	20	1300	NA	NA	NA	NA	NA	NA	NA	2.1 U
CHRYSENE	22000	15000	C	31	4400	NA	NA	NA	NA	NA	NA	NA	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	8.2 U	NA	NA	NA	NA	NA	NA	NA	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	11	700	NA	NA	NA	NA	NA	NA	NA	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		145	14200	NA	NA	NA	NA	NA	NA	NA	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.6	0.5	0.019 U	0.13	1	0.86	0.72	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-629	SB-630	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635
SAMPLE ID			F-SB-629-10	F-SB-630-10	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10
SAMPLE DATE			20090918	20090918	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	10	10	10	9	10	9	10	9	10
BOTTOM DEPTH			10	10	10	10	9	10	9	10	9	10
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.5 U	1.5 U	65	2.7	1.7 U	1.6 U	1.8 U	3.0	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.5 U	1.5 U	64	1	1.7 U	1.6 U	1.8 U	1.1	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.1 U	1.1 U	79	1.1 U	1.2 U	1.2 U	1.3 U	1.3 U	1.1 UJ
BENZO(A)PYRENE	22	15 C	1.6 U	1.5 U	1.5 U	40	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	1.4 U	1.4 U	120	10	1.5 U	1.5 U	1.7 U	11	1.4 UJ
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2 U	2 U	59	2 U	2.2 U	2.1 U	2.4 U	2.3 U	2 UJ
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1.1 U	110	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.8 U	34	1.8 U	1.9 U	1.9 U	2.1 U	2 U	1.8 UJ
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	442	10	0 U	0 U	0 U	11	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (8)	220 C(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-635	SB-635	SB-635	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D
SAMPLE ID				F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7
SAMPLE DATE				20090922	20090922	20090922	20091104	20091104	20091104	20091104	20091104	20091110	20091110
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	10	9	3	5	7	7	7	5	7
BOTTOM DEPTH				10	10	9	3	5	7	7	7	5	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**17**	**34**	**276**	**26**	**28**	**52**	**135**	**219**	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**17**	**33**	**275**	**25**	**27**	**51**	**135**	**219**	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	15.775	31 J	**220**	18	18	55 J	122.5	**190 J**	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	12.875	**25 J**	**210**	**20**	**21**	**36 J**	**88**	**140 J**	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	17.35	34 J	**310**	21	26	75 J	**187.5**	**300 J**	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	7	13 J	150	14	12	24 J	59	94 J	2 U	2.1 U
CHRYSENE	22000	15000	C	15.275	30 J	310	20	22	66 J	168	270 J	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.55 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	11.4	**22**	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	6.95	13 J	100	14	13	19 J	41.5	64 J	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		73	146	1300	107	112	275	677.5	1080	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-635D	SB-636	SB-636	SB-636	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A
SAMPLE ID				F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7
SAMPLE DATE				20091110	20091007	20091007	20091007	20091007	20091019	20091019	20091105	20091105	20091105
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH				9	3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	116	101	86	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	116	101	86	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	65 J	51.5	38 J	230	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	77	65	53	220	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	91	85	79	290	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	40 J	30	20 J	120	2 U	2 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	100 J	76	52 J	210	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	17	17	17	29	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	57	51	45	130	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	447	375.5	304	1229	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	22 U	22 U	22 U	27 J	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	27	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-636A	SB-636A	SB-636B	SB-636B	SB-636B	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D
SAMPLE ID				F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5
SAMPLE DATE				20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH				7	7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	390	38	1.5 U	34	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	390	38	1.5 U	33	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	310	24	1.1 U	29	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	260	30	1.5 U	25	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	350	29	1.4 U	35	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	2.1 U	2 U	150	14	1.9 U	8.6	2 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	270	22	1 U	25	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	48	1.5 U	1.5 U	1.7 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	140	22	1.7 U	12	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	1528	141	0 U	134.6	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B	SB-637B	SB-637C	SB-637C	SB-638
SAMPLE ID				F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3
SAMPLE DATE				20091105	20091007	20091007	20091106	20091106	20091106	20091106	20091106	20091106	20091007
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	3	5	5	5	3	5	3
BOTTOM DEPTH				7	3	5	3	5	5	5	3	5	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	3.7	68	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	2.0	67	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	8.9	54	1.1 U	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	51	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	11	79	1.4 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	28	2 U	2.1 U	2.05 U	2 U	1.9 U	2 U	2 U
CHRYSENE	22000	15000	C	1.1 U	11	70	1 U	1.1 U	1.05 U	1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	27	1.7 U	1.8 U	1.75 U	1.7 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	30.9	309	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	21 U	21 U	NA	NA	NA	NA	NA	NA	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA	NA	NA	NA	NA	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-638 F-SB-638-3-AVG 20091007 AVG SO NORMAL SB 3 3	SB-638 F-SB-638-3-D 20091007 DUP SO NORMAL SB 3 3	SB-638 F-SB-638-5 20091007 NORMAL SO NORMAL SB 5 5	SB-639 F-SB-639-3 20091007 NORMAL SO NORMAL SB 3 3	SB-639 F-SB-639-5 20091007 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.6 U	2.4
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	0.78
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.5 U	7.8
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.9 U	2.1 U	2 U
CHRYSENE	22000	15000	C	1.05 U	1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.75 U	1.7 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	7.8
PESTICIDES/PCBS (UG/KG)								
AROCLOR-1260	320	220	C	20 U	20 U	19 U	21 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642
SAMPLE ID				F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3	F-SB-642-3-AVG
SAMPLE DATE				20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019	20091019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	3	5	3	3	3	3	3
BOTTOM DEPTH				3	5	3	5	3	3	3	3	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	7.4	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	6.5	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	4.9 J	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	4.7 J	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	8.1	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.6 U	1.6 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	4.4 J	1.4 U	1.1 U	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	5.4 J	0.43 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	27.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A	SB-642A	SB-642B
SAMPLE ID				F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7	F-SB-642A-9	F-SB-642B-3
SAMPLE DATE				20091019	20091019	20091019	20091019	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	28	1.5 U	577	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	27	1.5 U	577	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	19	1.1 U	350	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	21	1.5 U	410	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	26	1.4 U	500	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	12	2 U	220	2 U	2.1 U	2 U	2 U	1.9 U
CHRYSENE	22000	15000	C	1 U	20	1.1 U	350	1 U	1.1 U	1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	54	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	12	1.8 U	250	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	110	0 U	2134	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C
SAMPLE ID			F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9
SAMPLE DATE			20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	5	7	7	7	9
BOTTOM DEPTH			5	7	9	3	5	7	7	7	9
VOLATILES (UG/KG)											
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**201**	9.8	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	**201**	8.9	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	130	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	**140**	7.8	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	**180**	11	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	89	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
CHRYSENE	22000	15000 C	130	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	**21**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	82	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	772	18.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-643	SB-643	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B
SAMPLE ID				F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D
SAMPLE DATE				20091016	20091016	20091016	20091016	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	7	7
BOTTOM DEPTH				3	5	7	9	3	5	7	7	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.15 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.45 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.05 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.9 U	1.85 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-643B	SB-643C	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644	SB-644
SAMPLE ID				F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5
SAMPLE DATE				20091105	20091105	20091105	20091105	20091105	20091016	20091016	20091016	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	3	3	3	5
BOTTOM DEPTH				9	3	5	7	9	3	3	3	5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	89	1.6 U	1.55 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	89	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	1.1 U	48	1.2 U	1.15 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	51	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	1.4 U	75	1.5 U	1.45 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	2 U	26	2.1 U	2.05 U	2 U	2 U
CHRYSENE	22000	15000	C	1.1 U	1 U	1.1 U	1.1 U	46	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	23	1.6 U	1.55 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	1.8 U	1.8 U	28	1.9 U	1.85 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	297	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-644	SB-644	SB-645	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B
SAMPLE ID			F-SB-644-7	F-SB-644-9	F-SB-645-3	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D
SAMPLE DATE			20091016	20091016	20091006	20091006	20091006	20091105	20091105	20091105	20091105
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	3	3	3	3
BOTTOM DEPTH			7	9	3	5	7	3	3	3	3
VOLATILES (UG/KG)											
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.7 U	7.0	2.3	2.3	1.5 U	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.7 U	6.1	0.27	0.19	1.5 U	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.2 U	4.9 J	1.2 U	1.3 U	1.1 U	1.1 U	1.15 U	1.2 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.7 U	4.4 J	2.2 U	2.2 U	1.5 U	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.6 U	8.7	1.7 J	1.9 J	1.4 U	1.4 U	1.45 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.2 U	1.7 U	1.6 U	1.7 U	2 U	2 U	2.05 U	2.1 U
CHRYSENE	22000	15000 C	1.1 U	1.2 U	4.3 J	1.4 U	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.7 U	1.8 U	1.7 U	1.8 U	1.5 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.9 U	2.9 J	0.96 J	0.44 U	1.8 U	1.8 U	1.85 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	25.2	2.66	1.9	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-645C	SB-646	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647
SAMPLE ID				F-SB-645C-3	F-SB-646-3	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7
SAMPLE DATE				20091105	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	3	5	7	3	5	7
BOTTOM DEPTH				3	3	3	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.4 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.8 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	1.8 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.8 U	1.6 U
CHRYSENE	22000	15000	C	1.2 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.9 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	0.48 U	0.455 U	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.42 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-647A	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID				F-SB-647A-3	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE				20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	3	5	7	3	5	3
BOTTOM DEPTH				3	3	3	3	5	7	3	5	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	26	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	30	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	54	1.5 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	15	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	31	1.3 U	1.4 U	1.5 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	19	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	18	0.41 U	0.43 U	0.46 U	0.42 U	0.43 U	0.41 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	193	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652	SB-652
SAMPLE ID				F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7	F-SB-652-9
SAMPLE DATE				20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019	20091019
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	5	3	5	3	5	7	9
BOTTOM DEPTH				3	3	5	3	5	3	5	7	9
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	23	300	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	25	260	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	35	330	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.55 U	1.6 U	1.6 U	2 U	2 U	9	150	2 U	2 U
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U	1.1 U	1 U	25	270	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.7 U	1.5 U	1.5 U	1.6 U	51	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	0.41 U	0.41 U	0.42 U	1.8 U	1.7 U	17	150	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	134	1511	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	20 U	20 U	20 U	20 U	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U	0 U	0 U	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C	SB-652C	SB-652C
SAMPLE ID				F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3	F-SB-652C-5	F-SB-652C-7
SAMPLE DATE				20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5	7	3	5	7
BOTTOM DEPTH				3	5	7	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2.1 U	1.9 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	1.8 U	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-797	SB-797	SB-798	SB-798	SB-798	SB-798	SB-799	SB-799	SB-800
SAMPLE ID				F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05	F-SB-799-03	F-SB-799-05	F-SB-800-03
SAMPLE DATE				20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100910
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	3	3	3	5	3	5	3
BOTTOM DEPTH				3	5	3	3	3	5	3	5	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ACENAPHTHENE	470000	340000	N	3.7 U	15	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ANTHRACENE	2300000	1700000	N	3.7 U	47	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
BAP EQUIVALENT-HALFND	22	15		3.7 U	258	21	11	3.5 U	3.6 U	3.6 U	3.7 U	NA
BAP EQUIVALENT-POS	22	15	C	3.7 U	258	19	10	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(A)ANTHRACENE	220	150	C	3.7 U	170	12	6.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(A)PYRENE	22	15	C	3.7 U	180	15	8.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(B)FLUORANTHENE	220	150	C	3.7 U	200	16	8.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.7 U	120	11	6.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3.7 U	120	10	5.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
CHRYSENE	22000	15000	C	1.2 U	170	14	7.3	1.2 U	1.2 U	1.2 U	1.2 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	3.7 U	30	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
FLUORANTHENE	310000	230000	N	11	400	19	10.375	3.5 U	3.6 U	3.6 U	9.8	NA
FLUORENE	310000	230000	N	3.7 U	26	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3.7 U	100	8.1	4.925	3.5 U	3.6 U	3.6 U	3.7 U	NA
NAPHTHALENE	160000	3600	C	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
PHENANTHRENE	2300000	170000	N[7]	3.7 U	210	9.4	5.575	3.5 U	3.6 U	3.6 U	3.7 U	NA
PYRENE	230000	170000	N	9.1	310	19	10.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
TOTAL PAHS	NC	NC		20.1	2098	133.5	66.75	0 U	0 U	0 U	9.8	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	1.8 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-800	SB-800	SB-800	SB-801	SB-801	SB-802	SB-802
SAMPLE ID				F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05	F-SB-802-03	F-SB-802-05
SAMPLE DATE				20100910	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	3	5	3	5
BOTTOM DEPTH				5	5	5	3	5	3	5
VOLATILES (UG/KG)										
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.017 UR	0.0175 R	0.018 UR	0.68 L	0.018 UR	0.89 L	0.022 UR
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024	SB-025	SB-025	SB-026
SAMPLE ID				MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10	SB-25-05	SB-25-10	SB-26-10
SAMPLE DATE				20050524	20031117	20031117	20031118	20031118	20031117	20031117	20031117	20031117	20031117
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	5	10	5	10	5	10	5	10	10
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	10
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
2-BUTANONE	4700000	2800000	N	NA	60 U	60 U	59 U	58 U	62 U	60 U	59 U	59 U	6 J
4-ISOPROPYLTOLUENE	NC	NC		NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
ACETONE	7000000	6100000	N	NA	40 J	11 J	16 J	9 J	28 J	27 J	59 U	59 U	48 J
ETHYLBENZENE	780000	5400	C	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
ISOPROPYLBENZENE	780000	210000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	18 U	18 U	18 U	17 U	19 U	18 U	18 U	18 U	20 U
METHYLENE CHLORIDE	85000	11000	C	NA	6 U	5 J	6 J	5 J	6 U	6 U	5 J	6 J	7 U
NAPHTHALENE	160000	3600	C	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
N-BUTYLBENZENE	NC	NC		NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
O-XYLENE	1600000 [4]	380000	N	NA	18 U	18 U	18 U	17 U	19 U	18 U	18 U	18 U	20 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
CARBAZOLE	32000	NC		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIBENZOFURAN	7800	7800	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIMETHYL PHTHALATE	NC	NC		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PHENOL	2300000	1800000	N	NA	400 U	390 U	390 U	390 U	420 U	400 U	390 U	400 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ACENAPHTHENE	470000	340000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ANTHRACENE	2300000	1700000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BAP EQUIVALENT-HALFND	22	15		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BAP EQUIVALENT-POS	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(A)ANTHRACENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(A)PYRENE	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
CHRYSENE	22000	15000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
FLUORANTHENE	310000	230000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
FLUORENE	310000	230000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
NAPHTHALENE	160000	3600	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PHENANTHRENE	2300000	170000	N[7]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PYRENE	230000	170000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
TOTAL PAHS	NC	NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	60 U	59 U	59 U	58 U	62 U	59 U	59 U	59 U	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	3 UL	2.9 UL	3 UL	2.9 UL	3.1 UL	3 UL	2.9 UL	3 UL	NA
ARSENIC	0.43	0.39	C	NA	2.9 L	2.7 L	1.5 L	1 L	3.5 L	2.3 L	0.92 L	1.7 L	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	4.6	NA
CADMIUM	3.9	7	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	3 U	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	13 L	16 L	5.3 L	2.9 UR	13 L	12 L	11 L	16 L	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	10	13	3 U	2.9 U	28	7.8	8	19	NA
LEAD	400	400		NA	10 L	6 L	3 UL	2.9 UL	46 L	12 L	6.6 L	14 L	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.94	0.17	0.12 U	0.12 U	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	8.9 L	14 L	3.6 L	2.9 UL	12 L	6.7 L	24 L	46 L	NA
SELENIUM	39	39	N	NA	3 UR	2.9 UR	3 UR	2.9 UR	3.1 UR	3 UR	2.9 UR	3 UR	NA
SILVER	39	39	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	3 U	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	60 UJ	59 UJ	59 UJ	58 UJ	100 J	59 UJ	59 UJ	110 J	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	24000 U	23000 U	24000 U	23000 U	25000 U	24000 U	24000 U	24000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	130 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	70	85	84	86	80	84	85	84	77
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093
SAMPLE ID				SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5	F-SB-93RE-6	F-SB-93RE-7
SAMPLE DATE				20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	10	10	5	10	3	4	5	6	7
BOTTOM DEPTH				10	10	10	5	10	3	4	5	6	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	67 U	65 U	9 J	58 U	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	29 J	14 J	45 J	58 U	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	20 U	19 U	20 U	17 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	7 J	6 J	7 U	6 J	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	20 U	19 U	20 U	17 U	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	36	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	35	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	380 U	1.1 U	1.1 U	1.1 U	28	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	26	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	380 U	1.4 U	1.3 U	1.4 U	40	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	380 U	2 U	1.9 U	2 U	13	2 U	2 U
CHRYSENE	22000	15000	C	NA	NA	NA	380 U	1 U	1 U	1.1 U	29	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	380 U	1.7 U	1.7 U	1.8 U	23	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	0 U	0 U	0 U	159	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	58 U	20 U	19 U	20 U	19 U	20 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.9 UL	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	0.99 L	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	3.2	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	2.9 U	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	19 L	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	21	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	7.4 L	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	33 L	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	4.4 L	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	2.9 U	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	58 UJ	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	23000 U	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		130 U	130 U	130 U	120 U	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		75	77	76	87	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID				F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8	F-SB-94RE-9
SAMPLE DATE				20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	10	3	4	5	6	7	8	9
BOTTOM DEPTH				8	9	10	3	4	5	6	7	8	9
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	12	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	11	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	15	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	2 U	2 U	9.2	2 U	2 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	11	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	9.8	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	10	1.8 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	78	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID				F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE				20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH				10	3	4	5	6	7	8	9	10	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		29	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	28	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	52	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	21	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	54	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	28	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	67	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	11	2 U	2 U	2 U	2 U	2.1 U	2 U	32	2 U	2 U
CHRYSENE	22000	15000	C	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	48	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	43	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		123	0 U	0 U	0 U	0 U	0 U	0 U	296	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295
SAMPLE ID				F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405
SAMPLE DATE				20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	8	9	5	5	5	4
BOTTOM DEPTH				4	5	6	7	8	9	5	5	5	5
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	658	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	139 J	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UR
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	165 J	6 UJ
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	2590 UR	21 J
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	394	6 UJ
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	83.1 J	6 UJ
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	270 J	12 UJ
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	147 J	11 B
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	**159000**	6 UJ
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	125 J	6 UJ
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	186 J	6 UJ
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	456 J	18 UJ
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	259 U	2 J
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	68 J	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	5690	400 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	3980	400 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	81 J	400 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	3420	400 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	6900	400 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	6960	400 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	69 J	400 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	2510	400 U
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	**18**	NA	NA	**2963**	400 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	**17**	NA	NA	**2963**	400 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	12	NA	NA	**2700**	400 U
BENZO(A)PYRENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	13	NA	NA	**1960**	400 U
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	18	NA	NA	**2080**	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	1240 J	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2 U	2 U	2 U	2 U	9.2	NA	NA	**2010**	400 U
CHRYSENE	22000	15000	C	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	14	NA	NA	1800	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	NA	**392 J**	400 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	10000	400 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	6330	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	2 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1	NA	NA	**1110 J**	400 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	**31000**	400 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	18600	400 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	7570	400 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	75.3	NA	NA	103231	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	2 L	0.3 UL	0.3 L	0.67 U
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	**7**	2 B	**3**	**4.6**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	103	35	24	22.8
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	0.6	3.2	2	0.96
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	0.5	0.3	0.5	0.36 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	20.6	24.6	23.9	25.1
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	**6.2**	**8**	**14.8**	3.2 B
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	38	11	14	14.6
LEAD	400	400		NA	NA	NA	NA	NA	NA	81	11	14	8
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	0.97 L	0.01	0.07	0.01
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	0.6 B	0.5 U	0.7 B	0.41 K
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	17	23	27	9.7
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	3	2 U	2 U	0.59 U
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	2.3	0.05 U	0.05 U	0.72
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	**26.9**	**35.1**	**34.1**	**40.4**
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	131	41	57	27.1
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	**881000**	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	21200	2800 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	6100 U
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	81
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	7.7	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	1.21 J	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-295	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382
SAMPLE ID			SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203
SAMPLE DATE			20051101	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	4	9	4	9	4	9	4	9	2
BOTTOM DEPTH			10	5	10	5	10	5	10	5	10	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	30 UR	31 UR	30 UR	28 UR	30 UR	30 UR	30 UR	29 UR	29 UR	NA
4-ISOPROPYLTOLUENE	NC	NC	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
ACETONE	7000000	6100000 N	14 J	29 J	14 J	37 L	36 L	29 B	16 B	29 UR	16 B	NA
ETHYLBENZENE	780000	5400 C	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
ISOPROPYLBENZENE	780000	210000 N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
M+P-XYLENES	1600000 [4]	63000 N[5]	12 U	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA
METHYLENE CHLORIDE	85000	11000 C	8 B	8 B	6 B	7 B	8 B	6 U	6 U	6 UJ	7 B	NA
NAPHTHALENE	160000	3600 C	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
N-BUTYLBENZENE	NC	NC	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
O-XYLENE	1600000 [4]	380000 N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
TOTAL XYLENES	1600000 [4]	63000 N	18 U	19 UJ	18 U	17 U	18 U	18 U	18 U	17 UJ	18 U	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	12 U	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	390 U	410 U	190 J	380 U	390 U	390 U	400 U	380 U	390 U	NA
CARBAZOLE	32000	NC	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIBENZOFURAN	7800	7800 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIMETHYL PHTHALATE	NC	NC	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA
PHENOL	2300000	1800000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
2-METHYLNAPHTHALENE	31000	31000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ACENAPHTHENE	470000	340000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ACENAPHTHYLENE	470000	340000 N[6]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ANTHRACENE	2300000	1700000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BAP EQUIVALENT-HALFND	22	15	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BAP EQUIVALENT-POS	22	15 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BENZO(A)ANTHRACENE	220	150 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(A)PYRENE	22	15 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BENZO(B)FLUORANTHENE	220	150 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(K)FLUORANTHENE	2200	1500 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
CHRYSENE	22000	15000 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
FLUORANTHENE	310000	230000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
FLUORENE	310000	230000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
NAPHTHALENE	160000	3600 C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
PHENANTHRENE	2300000	170000 N[7]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
PYRENE	230000	170000 N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	0.78 U	0.91 U	0.74 U	0.79 U	0.82 U	0.64 UL	0.78 UL	0.74 UL	0.84 UL	NA
ARSENIC	0.43	0.39 C	2.9 K	5.7	2.4 K	3.3	3 K	3.5	2 K	1.3 K	2.2 K	NA
BARIUM	1600	1500 N	15.1	14.5	13.7	16.3	22.3	17.7	19.6	12.5	42.2	NA
BERYLLIUM	16	16 N	3.2	3.6	3.6	3.1	3.7	4.3	3.8	1.8	2.6	NA
CADMIUM	3.9	7 N	0.41 U	0.48 U	0.39 U	0.42 U	0.44 U	0.06 U	0.08 U	0.07 U	0.08 U	NA
CHROMIUM	12000 [10]	12000 N[10]	29	38.7	21.1	26.1	19.2	16.3 K	39.4 K	18.6 K	16 K	NA
COBALT	NC	2.3 N	8.5 K	32.3	6 K	6 K	8.7 K	8	5.3	11	9.3	NA
COPPER	310	310 N	17.5	40.4	21.9	21.9	15.9	18	11.6	10.9	11.2	NA
LEAD	400	400	8.7	9.9	7.6	8.3	8.5	8.4	10.4	4	11.2	NA
MERCURY	2.3 [11]	2.3 N[12]	0.01 U	0.02	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 B	NA
MOLYBDENUM	NC	39 N	0.44 K	0.55 K	0.36 U	0.43 K	0.45 K	0.32	0.35	0.18 U	0.2 U	NA
NICKEL	160	150 N	24.3	31.4	21.3	24	25.4	23.3	17.8	13.7	18.1	NA
SELENIUM	39	39 N	0.68 U	0.8 U	0.65 U	0.69 U	0.72 U	0.56 UL	0.69 UL	0.65 UL	0.73 UL	NA
SILVER	39	39 N	0.99	1.6	1.2	0.84 U	0.88 U	0.08 U	0.07 U	0.09 U	0.11 U	NA
VANADIUM	7.8	39 N[13]	32.5	61.6	32.8	35.3	31.8	28.4	46.4	27.2	20.7	NA
ZINC	2300	2300 N	32.2	58	26.8	24.1	33.2	34.7	30.8	40.9	42.7	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	2600 U	2600 U	2800 U	2800 U	2700 U	2800 U	2900 U	2700 U	2800 U	NA
TPH (C09-C36)	NC	NC	6000 U	4900 J	5900 U	3500 J	3800 J	3600 B	2800 B	2900 B	2900 B	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.2
TOTAL SOLIDS	NC	NC	84	80	84	88	84	84	83	86	85	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-382	SB-382	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385
SAMPLE ID				SB-382-0405	SB-382-0708	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	51 J	38 J	10 J	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	51	38	10	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	41 U	42 U	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80.4	79.2	87.2	79.2	83.1	86	84.6	76.6	91	93
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-385	SB-386	SB-386	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388
SAMPLE ID				SB-385-0708	SB-386-0203	SB-386-0405	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH				8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	39 U	37 U	37 U	39 U	36 U	39 U	37 U	38 U	36 U	37 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.7	89.2	89.5	84.1	91.4	84.4	88.8	87.6	90.8	90.3
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-389	SB-389	SB-389
SAMPLE ID				SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE				20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				2	4	7
BOTTOM DEPTH				3	5	8
VOLATILES (UG/KG)						
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA
SEMIVOLATILES (UG/KG)						
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	33	9.7
BAP EQUIVALENT-POS	22	15	C	1.5 U	33	9.7
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	33 J	9.7 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	33	9.7
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	39 U	38 U	38 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[13]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		85	87.5	86.4
TOTAL SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	780	780	N	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID				SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05
SAMPLE DATE				20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	61 U	62 U	57 U	58 U	60 U	59 U	59 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	61 UJ	62 UJ	57 UJ	58 UJ	60 U	59 U	59 U
ETHYLBENZENE	780000	5400	C	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	12 U	12 U	11 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 B	6 U	6 U	6 U	6 U	6 U	6 U
NAPHTHALENE	160000	3600	C	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NC	NC		NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
CARBAZOLE	32000	NC		NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	200 J
DIBENZOFURAN	7800	7800	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	73 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	410 U	310 J	380 U	390 U	400 U	390 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
PHENOL	2300000	1800000	N	NA	NA	480	420 U	910	730	400 U	390 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
ACENAPHTHENE	470000	340000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	110 J
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
ANTHRACENE	2300000	1700000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	270 J
BAP EQUIVALENT-HALFND	22	15		NA	NA	410 U	**464**	380 U	390 U	400 U	390 U	**847**
BAP EQUIVALENT-POS	22	15	C	NA	NA	410 U	**254**	380 U	390 U	400 U	390 U	**647**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	410 U	**220 J**	380 U	390 U	400 U	390 U	**620**
BENZO(A)PYRENE	22	15	C	NA	NA	410 U	**200 J**	380 U	390 U	400 U	390 U	**490**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	410 U	**190 J**	380 U	390 U	400 U	390 U	**630**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	410 U	140 J	380 U	390 U	400 U	390 U	280 J
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	410 U	160 J	380 U	390 U	400 U	390 U	450
CHRYSENE	22000	15000	C	NA	NA	410 U	250 J	380 U	390 U	400 U	390 U	660
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
FLUORANTHENE	310000	230000	N	NA	NA	410 U	490	380 U	390 U	400 U	390 U	1500
FLUORENE	310000	230000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	110 J
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	410 U	110 J	380 U	390 U	400 U	390 U	**270 J**
NAPHTHALENE	160000	3600	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	410 U	190 J	380 U	390 U	400 U	390 U	1200
PYRENE	230000	170000	N	NA	NA	410 U	370 J	380 U	390 U	400 U	390 U	1100
TOTAL PAHS	NC	NC		NA	NA	0 U	2320	0 U	0 U	0 U	0 U	7690
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	300 U	310 U	280 U	280 U	290 U	290 U	290 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	2.8 U	2.7 U	2.8 U	2.8 UR	2.6 UR	2.9 UR	3 UR	2.8 UR	2.9 UR
ARSENIC	0.43	0.39	C	**0.96**	**1.2**	**1.9**	**0.58 L**	0.53 UL	0.58 UL	0.59 UL	0.56 UL	0.58 UL
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.8 U	2.7 U	6.2	2.8 U	2.6 U	2.9 U	3 UL	2.8 UL	3.2 L
CADMIUM	3.9	7	N	2.8 U	2.7 U	2.8 U	2.8 UL	2.6 UL	2.9 UL	3 UL	2.8 UL	2.9 UL
CHROMIUM	12000 [10]	12000	N[10]	13	5.8	15	8.4 L	15 L	10 L	20	9.9 K	14
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	8.7	10	56	12	10	4.7 K	13 L	10 L	21 L
LEAD	400	400		6.7	4.8	8.4	5.2 J	3.2 J	2.9 UJ	8.7 L	2.9 L	6.7 L
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	0.11 U	0.11 U	0.11 UL	0.11 UL	0.12 UL	0.12 U	0.11 U	0.12 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	18	28	150	11	11	5.3 K	17	4 K	12
SELENIUM	39	39	N	2.8 U	2.7 U	2.8	2.8 UL	2.6 UL	2.9 UL	4.3 L	2.8 UL	4.2 L
SILVER	39	39	N	2.6 U	2.5 U	3 UL	2.8 UR	2.6 UR	2.9 UR	3 UR	2.8 UR	2.9 UR
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	43 K	140	270	62 J	26 UL	29 UL	30 U	28 U	29 U
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	12000 U	12000 U	11000 U	11000 U	12000 U	12000 U	17000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	120 U	120 U	110 U	110 U	120 U	120 U	120 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390	SB-391
SAMPLE ID			SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708	SB-391-0203
SAMPLE DATE			20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015	20071016
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	5	10	5	10	2	4	7	2
BOTTOM DEPTH			10	5	10	5	10	3	5	8	3
VOLATILES (UG/KG)											
1,2,4-TRIMETHYLBENZENE	NC	6200 N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	57 U	60 U	58 U	58 U	58 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
ACETONE	7000000	6100000 N	57 U	60 U	58 U	58 U	58 U	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	11 U	12 U	12 U	12 U	12 U	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
2,4-DIMETHYLPHENOL	160000	120000 N	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CARBAZOLE	32000	NC	380 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	130 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	390 U	400 U	77 J	390 U	400 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENOL	2300000	1800000 N	390 U	140 J	390 U	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	430	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**1435**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BAP EQUIVALENT-POS	22	15 C	**1240**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BENZO(A)ANTHRACENE	220	150 C	**1200**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	**950**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BENZO(B)FLUORANTHENE	220	150 C	**1000**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	600 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	940	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1200	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	2700	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORENE	310000	230000 N	200 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	**590**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	58 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	2200	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRENE	230000	170000 N	1900	400 U	390 U	390 U	400 U	NA	NA	NA	NA
TOTAL PAHS	NC	NC	14158	0 U	0 U	0 U	0 U	0 U	990	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U	50 U
TOTAL AROCLOR	320 (8)	220 C(9)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	0.55 UL	0.58 UL	0.59 UL	0.52 UL	0.59 UL	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	2.8 UL	5.2 L	2.9 UL	2.6 UL	4.1 L	NA	NA	NA	NA
CADMIUM	3.9	7 N	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	20	19	9.6 K	2.6 U	17	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	11 L	24 L	5.5 L	4.3 L	13 L	NA	NA	NA	NA
LEAD	400	400	17 L	5.2 L	3.2 L	2.6 UL	4.3 L	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	21	21	8.4	2.6 U	22	NA	NA	NA	NA
SELENIUM	39	39 N	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA	NA
SILVER	39	39 N	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	33 K	29 U	29 U	26 U	30 U	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	12000 U	12000 U	12000 U	12000 U	12000	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	120 U	120 U	120 U	120 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	78.4	82.8	82.3	65.8
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394
SAMPLE ID				SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	20 J	1.5 U	1.4 U	7.5 J	1.5 U	25 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	20	0 U	0 U	7.5	0 U	25
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87	85.3	89.3	84.9	84.4	92.6	93.5	86.9	90.6
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-394 SB-394-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-394 SB-394-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-395 SB-395-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-395 SB-395-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-395 SB-395-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-396 SB-396-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-396 SB-396-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-396 SB-396-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-397 SB-397-0203 20071016 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 UJ
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	38 U	34 U	38 U	38 U	38 U	39 U	39 U	37 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		86.7	86.2	95.9	86.9	87	86	84.8	83.8	89.4
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-397 SB-397-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-397 SB-397-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-398 SB-398-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-398 SB-398-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-398 SB-398-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-399 SB-399-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-399 SB-399-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-399 SB-399-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-400 SB-400-0203 20071016 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**850**	1.5 U	**33**	1.5 U	1.5 U	1.4 U	**22**	1.6 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	**850**	1.5 U	**33**	1.5 U	1.5 U	1.4 U	**22**	1.6 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**850**	1.5 U	**33 J**	1.5 U	1.5 U	1.4 U	**22 J**	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		850	0 U	33	0 U	0 U	0 U	22	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	19 J	39 U	38 U	37 U	38 U	37 U	39 U	40 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		95.1	85.2	86	89.4	86.3	89.9	84.5	83.3	92.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-402	SB-402	SB-403
SAMPLE ID					SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-402-0405	SB-402-0708	SB-403-0203
SAMPLE DATE					20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					4	7	2	4	7	2	4	7	2
BOTTOM DEPTH					5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC		78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000		120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000		99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22		15	C	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22		15	C	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320		220	C	39 U	41 U	37 U	40 U	38 U	39 U	39 U	39 U	37 U
TOTAL AROCLOR	320	[8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC		NC		84.1	80.3	88.3	83.1	86	84.7	83.6	84.1	88.4
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-403 SB-403-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-403 SB-403-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-404 SB-404-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-404 SB-404-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-404 SB-404-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-405 SB-405-0203 20071016 NORMAL SO NORMAL SB 2 3	SB-405 SB-405-0405 20071016 NORMAL SO NORMAL SB 4 5	SB-405 SB-405-0708 20071016 NORMAL SO NORMAL SB 7 8	SB-406 SB-406-0203 20071016 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	18 J	72 J	1.4 U	330 J	230 J	320 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	18	72	0 U	330	230	320
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	21 J
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	21
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		84.7	83.5	81.2	78	76.5	90.3	83.3	77.4	87.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409
SAMPLE ID				SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		62	85	190	110	30	50	12	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	62	85	190	110	30	50	12	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	62 J	85 J	190 J	110 J	30 J	50 J	12 J	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		62	85	190	110	30	50	12	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	41 U	42 U	42 U	45 U	45 U	39 U	15 J	41 U	40 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	15	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		79.9	78.3	78.1	73.7	72.7	83.8	86.1	81.1	81.6
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-409	SB-409	SB-489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID				SB-409-0405	SB-409-0708	SB-489-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	4	7
BOTTOM DEPTH				5	8	3	5	8	5	8
VOLATILES (UG/KG)										
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		67	1.8 U	260	9.8	21	110	31
BAP EQUIVALENT-POS	22	15	C	67	1.8 U	260	9.8	21	110	31
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	67 J	1.8 U	260 J	9.8 J	21 J	110 J	31 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		67	0 U	260	9.8	21	110	31
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220	C	42 U	45 U	43 U	42 U	45 U	42 U	38 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		78.5	73.5	76.3	79.3	73.3	79.4	86.6
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1192	4.2	163	228	30	41	720	74	32	1.5 U	144
BAP EQUIVALENT-POS	1192	2.7	163	228	30	41	720	74	31	1.5 U	144
BENZO(A)ANTHRACENE	780	1.1 U	84	140	13	17	330	31	25	1.1 U	80
BENZO(A)PYRENE	800	1.5 U	100	150	11	18	490	42	24	1.5 U	86
BENZO(B)FLUORANTHENE	1000	8.5	120	170	21	29	560	50	27	1.4 U	96
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	340	2 U	53	70	1.9 U	9.3	190	16	15	1.9 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	860	7.8	89	130	18	16	390	36	29	1 U	79
DIBENZO(A,H)ANTHRACENE	160	1.5 U	34	37	14	16	110	20	1.5 U	1.5 U	34
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
INDENO(1,2,3-CD)PYRENE	500	18	75	87	19	23	290	39	14	1.7 U	62
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4440	34.3	555	784	96	128.3	2360	234	134	0 U	477
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	396	368	174	46	65	399	98	52	55	12	76
BAP EQUIVALENT-POS	396	368	174	45	64	399	98	52	51	11	75
BENZO(A)ANTHRACENE	230	180	86	20	53	340	91	38	5.2 U	7.7	38
BENZO(A)PYRENE	250	240	110	36	49	270	75	38	43	9.2	60
BENZO(B)FLUORANTHENE	270	270	130	42	59	300	93	69	76	12	66
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	100	40	8.9	13	130	35	15	9.3 U	1.9 U	25
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	240	230	98	22	57	330	92	52	71	8.8	56
DIBENZO(A,H)ANTHRACENE	79	65	34	1.4 U	1.5 U	48	1.5 U	1.5 U	7.1 U	1.4 U	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
INDENO(1,2,3-CD)PYRENE	160	170	78	30	39	150	39	27	8.2 U	1.7 U	46
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1339	1255	576	158.9	270	1568	425	239	190	37.7	291
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	226	4.2	59	1893	1188	31	58	72	81	23	627
BAP EQUIVALENT-POS	226	2.6	58	1893	1180	30	58	71	80	22	627
BENZO(A)ANTHRACENE	110	1.1 U	48	1000	1300	26	52	46	78	21	380
BENZO(A)PYRENE	130	1.4 U	43	1300	870	22	46	55	59	17	450
BENZO(B)FLUORANTHENE	190	26	74	1200	1700	42	61	78	130	31	500
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	1.9 U	22	610	860	1.9 U	29	25	2 U	2 U	260
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	1 U	56	1200	1400	24	65	55	81	17	370
DIBENZO(A,H)ANTHRACENE	54	1.4 U	1.5 U	290	14 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	59
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	110	1.7 U	30	760	16 U	14	1.7 U	32	1.8 U	1.8 U	270
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	786	26	273	6360	6130	128	253	291	348	86	2289
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6	58	44	105	55	22	434	1.5 U	1.5 U	1.5 U	229
BAP EQUIVALENT-POS	0.01	58	44	105	55	21	434	1.5 U	1.5 U	1.5 U	229
BENZO(A)ANTHRACENE	1.1 U	48	20	49	24	15	270	1.1 U	1.1 U	1.1 U	140
BENZO(A)PYRENE	1.4 U	43	21	58	29	15	300	1.5 U	1.5 U	1.5 U	150
BENZO(B)FLUORANTHENE	1.3 U	68	29	81	39	22	320	1.4 U	1.4 U	1.4 U	180
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	24	13	28	10	10	170	2 U	2 U	2 U	60
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	10	57	26	50	26	15	240	1 U	1 U	1 U	140
DIBENZO(A,H)ANTHRACENE	1.4 U	1.5 U	16	28	17	1.5 U	59	1.5 U	1.5 U	1.5 U	37
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
INDENO(1,2,3-CD)PYRENE	1.7 U	27	23	54	27	22	140	1.7 U	1.7 U	1.7 U	94
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	267	148	348	172	99	1499	0 U	0 U	0 U	801
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	22	60	57	20437	14418	8400	1978	1193	77	14
BAP EQUIVALENT-POS	23	22	58	57	20437	14418	8400	1978	1193	77	13
BENZO(A)ANTHRACENE	12	13	32	37	15000 J	10500	6000 J	1500	750	49	1.1 U
BENZO(A)PYRENE	17	16	44	43	14000 J	9900	5800 J	1300	820	59	13
BENZO(B)FLUORANTHENE	21	18	53	58	16000 J	11050	6100 J	1600	850	88	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	8.9	9.5	29	16	5100 J	3700	2300 J	560	370	28	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	15	12	39	41	16000 J	11300	6600 J	1500	800	55	11
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	3.7 U	1.5 U	2600 J	1850	1100 J	290	160	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
INDENO(1,2,3-CD)PYRENE	24	24	56	38	6700 J	4650	2600 J	710	480	36	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	97.9	92.5	253	233	75400	52950	30500	7460	4230	315	24
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	208	249	8306	33	596	114	424	151	666	449	87
BAP EQUIVALENT-POS	208	249	8306	32	596	114	424	151	666	449	87
BENZO(A)ANTHRACENE	100	190	3700	12	520	47	160	51	420	260	49 J
BENZO(A)PYRENE	130	160	5700	26	400	72	280	98	430	300	60 J
BENZO(B)FLUORANTHENE	150	210	6700	27	510	71	340	110	560	350	78 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	65	83	2100	8.6	190	35	130	44	170	150	25 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	120	170	4500	15	460	57	160	49	460	290	47 J
DIBENZO(A,H)ANTHRACENE	43	38	1200	1.5 U	73	24	75	30	110	68	9.9 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
INDENO(1,2,3-CD)PYRENE	94	98	3400	22	180	54	180	67	260	180	38 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	702	949	27300	110.6	2333	360	1325	449	2410	1598	306.9
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1671	3256	23	72	71	530	474	2101	6250	256	572
BAP EQUIVALENT-POS	1671	3256	22	72	71	523	474	2101	6250	255	572
BENZO(A)ANTHRACENE	824.5	1600 J	16	41	42	560	320	1600	4600	190	410
BENZO(A)PYRENE	1230	2400 J	17	49	47	380	330	1400	4300	200	390
BENZO(B)FLUORANTHENE	1289	2500 J	20	45	54	520	340	1900	5700	240	560
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	232.5	440 J	2.1 U	27	21	250	130	1000	2500	110	240
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	873.5	1700 J	19	48	55	470	340	1800	4800	210	370
DIBENZO(A,H)ANTHRACENE	169.95	330 J	1.6 U	11	11	15 U	57	260	660	1.6 U	61
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	569	1100 J	12	30	35	320	190	790	2300	110	210
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5188.45	10070	84	251	265	2500	1707	8750	24860	1060	2241
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	810000	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1255	1513	123	5.8	5.1	4.5	27
BAP EQUIVALENT-POS	1253	1513	123	4.8	4.3	3.7	27
BENZO(A)ANTHRACENE	1200	1200	74	3.3 J	3.05	2.8 J	15
BENZO(A)PYRENE	950	1000	97	3.6 J	3.2	2.8 J	18
BENZO(B)FLUORANTHENE	1300	1400	120	5.7 J	4.55	3.4 J	26
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	550	650	44	1.7 U	1.475	2.1 J	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1100	91	3.5 J	3.35	3.2 J	17
DIBENZO(A,H)ANTHRACENE	3.4 U	190	1.5 U	1.8 U	1.75 U	1.7 U	3.8 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
INDENO(1,2,3-CD)PYRENE	460	550	57	3.4 J	2.9	2.4 J	11
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5760	6090	483	19.5	18.1	16.7	90.8
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	35 U	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	460	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHENE	340	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	1200	NA	4.2 U	NA	4.2 U	140	NA	NA	NA	NA	NA
ANTHRACENE	2800	NA	4.2 U	NA	10	270	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	11699	NA	4.2 U	NA	58	1283	NA	13342	107	62	1.4 U
BAP EQUIVALENT-POS	11699	NA	4.2 U	NA	56	1283	NA	13342	107	61	1.4 U
BENZO(A)ANTHRACENE	11000	NA	4.2 U	NA	32	910	NA	6500	36	31	1.1 U
BENZO(A)PYRENE	7500 J	NA	4.2 U	NA	46 J	820 J	NA	9300	64	47	1.4 U
BENZO(B)FLUORANTHENE	10000	NA	4.2 U	NA	35	940	NA	11000	65	70	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	5600	NA	4.2 U	NA	26	690	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	4800	NA	4.2 U	NA	4.2 U	420	NA	3400	26	20	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	41000 J	NA	82 U	NA	NA	1100 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	47000 J	NA	82 U	NA	NA	1200 J	NA	NA	NA	NA
C1-FLUORENES	NA	1200 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	33000 J	NA	82 U	NA	NA	820 J	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	20000 J	NA	82 U	NA	NA	590 J	NA	NA	NA	NA
C2-FLUORENES	NA	3800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	1800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	31000 J	NA	82 U	NA	NA	770 J	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	7000 J	NA	82 U	NA	NA	210 J	NA	NA	NA	NA
C3-FLUORENES	NA	7200 J	NA	82 U	NA	NA	200 J	NA	NA	NA	NA
C3-NAPHTHALENES	NA	4000 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	17000 J	NA	82 U	NA	NA	450 J	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	3000 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-NAPHTHALENES	NA	4100 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	5900 J	NA	82 U	NA	NA	160 J	NA	NA	NA	NA
CHRYSENE	11000	NA	1.4 U	NA	39	1000	NA	8200	42	42	0.99 U
DIBENZO(A,H)ANTHRACENE	1600 J	NA	4.2 U	NA	4.2 U	220 J	NA	1700	27	1.5 U	1.4 U
FLUORANTHENE	20000	NA	4.2 U	NA	48	1400	NA	NA	NA	NA	NA
FLUORENE	600	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
INDENO(1,2,3-CD)PYRENE	4400 J	NA	4.2 U	NA	34 J	530 J	NA	5500	56	38	1.7 U
NAPHTHALENE	660	NA	4.2 U	NA	4.2 U	53	NA	NA	NA	NA	NA
PHENANTHRENE	12000	NA	4.2 U	NA	25	570	NA	NA	NA	NA	NA
PYRENE	28000	NA	9.4	NA	71	2300	NA	NA	NA	NA	NA
TOTAL PAHS	121960	NA	9.4	NA	366	10263	NA	45600	316	248	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1 J	2 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.5	2 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.2 J	2 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.05 U	2.38 U	1.97 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	4.11 U	4.75 U	3.93 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	103 U	119 U	98.3 U
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	3.36 J	14.5	4.16 J
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 UR	2.4 UR	2 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	8.22 U	9.51 U	7.87 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	2.05 U	2.38 U	1.97 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	8.2 U	9.5 U	7.9 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	30.5 J	128 J	29.3 J
BENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.05 U	2.38 U	1.97 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	1.8 J	2.1 J	2 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	8 U	10 U	8 U
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TOLUENE	NA	NA	NA	NA	NA	NA	NA	1 U	1.6 J	3.6	0.79 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	1 U	6.2 U	7.1 U	5.9 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.3 J	2 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	363 U	388 U	360 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	551 U	587 U	545 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	738 U	787 U	730 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	738 U	787 U	730 U
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	40.9 B	174 J	49.6 B
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	54 B	200 U	185 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	925 U	986 U	916 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77.1 U	82.2 U	76.3 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 J
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	36 J	82 U	100
BAP EQUIVALENT-HALFND	229	65	71	21	22	29	36	NA	516	112	1242
BAP EQUIVALENT-POS	229	64	70	20	21	28	35	NA	516	67	1242
BENZO(A)ANTHRACENE	1.1 U	48	52	14	19	20.5	22	NA	335	43 J	757
BENZO(A)PYRENE	160	50	56	16	19	23.5	28	NA	382	56 J	949
BENZO(B)FLUORANTHENE	180	61	54	19	1.3 UJ	15.325	30 J	NA	314	62 J	838
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	150	82 U	273
BENZO(K)FLUORANTHENE	62	22	29	2 U	1.9 U	5.975	11	NA	402	82 U	1070
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	62	51	57	14	22	23	24	NA	423	58 J	933
DIBENZO(A,H)ANTHRACENE	38	1.5 U	1.5 U	1.6 U	1.4 U	1.45 U	1.5 U	NA	50 J	82 U	95
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	504	82 J	1140
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
INDENO(1,2,3-CD)PYRENE	120	27	31	10	1.6 UJ	9.9	19 J	NA	143	82 U	264
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	109	30 J	291
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	682	91	1720
TOTAL PAHS	622	259	279	73	60	97	134	NA	3530	422	8506
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	13 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	13
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	0.6 L	2	0.9 L
ARSENIC	NA	5.4	3.3	NA	NA	NA	NA	NA	2 B	2 B	1 B
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	34	55	22
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.7	0.3
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.1 B	0.2 B	0.2 B
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	11.2	14.7	11.4
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	7.2	15.8	3.2
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	6	9	5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	5	8	4
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	0.02	0.02	0.02
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	0.4 U	0.6 B	0.5 U
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	11	11	5
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	0.04 U	0.05 U	0.05 U
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.9 U	1 U	1 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	20.2	25.7	20.9
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	26	32	16
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	12000 U	77200	29600	114000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	10700 U	12500 U	9600 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	7.1	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.5 J	2.2 U	0.83 J	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	4.68 U	4.42 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	117 U	111 U	112 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	5.52 J	10.9	9 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	2.3 UR	2.2 UR	2.2 UR	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	9.37 U	8.85 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	9.4 U	8.8 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	62.9 J	105 J	10.4 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	2.7	1.6 J	6.2	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	2.3 U	2.2 U	2.9	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	9 U	9 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	2 J	2.2 U	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	7 U	6.6 U	6.7 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1.1 J	2.2 U	0.65 J	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	402 U	368 U	361 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	609 U	558 U	547 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	817 U	748 U	733 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	817 U	748 U	733 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	74.4 B	80.2 B	40.9 B	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	35 B	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1020 U	938 U	919 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	85.3 U	78.2 U	76.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	85 U	27 J	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	115	226	186	2.1 U	2.3	11	59	71	277	1.6 U	1.5 U
BAP EQUIVALENT-POS	73	187	147	2.1 U	0.19	9.6	59	71	277	1.6 U	1.5 U
BENZO(A)ANTHRACENE	56 J	117	142	1.2 U	1.3 U	5.7 J	33	46	200	1.2 U	1.1 U
BENZO(A)PYRENE	59 J	154	117	2.1 U	2.3 U	7.4 J	40	49	180	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	39 J	111	89	1.5 U	1.9 J	11	46	61	310	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	51 J	92	62 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	52 J	130	111	1.6 U	1.7 U	1.7 U	19	21	7.9 U	2.1 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	66 J	153	164	1.3 U	1.4 U	7.2 J	37	46	210	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	85 U	78 U	77 U	1.6 U	1.8 U	1.8 U	8.1	7.5 J	36 J	1.6 U	1.5 U
FLUORANTHENE	92	212	297	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	85 U	78 U	21 J	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	38 J	86	61 J	0.41 U	0.45 U	5.6 J	24	31	100	1.8 U	1.7 U
NAPHTHALENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	26 J	46 J	280	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	95	214	332	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	574	1342	1720	0 U	1.9	36.9	207.1	261.5	1036	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	40 U	12 J	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	12	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	1 L	0.7 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	5	2 B	3 B	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	74	39	33	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	1.3	0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.3 B	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	19.8	13.1	13.8	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	51.2	5.8	7.6	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	10	7	6	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	13	11	5	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02	0.04	0.02	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.8 B	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	18	8	6	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	39.2	22.2	26.2	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	45	23	20	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	32200	163000	139000	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	11600 U	10500 U	10100 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2661	140	2.2 U	53	105	2.2 U	2.5	1.5 U	1.5 U	18	17
BAP EQUIVALENT-POS	2661	140	2.2 U	53	105	2.2 U	0.81	1.5 U	1.5 U	18	16
BENZO(A)ANTHRACENE	1800	95	1.2 UJ	25.3	50 J	1.3 U	1.1 U	1.1 U	1.1 U	13	15
BENZO(A)PYRENE	1800	93	2.2 UJ	32.55	64 J	2.2 U	1.5 U	1.5 U	1.5 U	14	13
BENZO(B)FLUORANTHENE	2300	150	1.6 UJ	55.4	110 J	1.6 U	8.1	1.4 U	1.3 U	15	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	930	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U	2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1600	92	1.3 UJ	29.325	58 J	1.4 U	1.1 U	1 U	1 U	14	14
DIBENZO(A,H)ANTHRACENE	340	17	1.7 UJ	9.925	19 J	1.7 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	1000	57	0.42 UJ	29.105	58 J	0.43 U	1.8 U	1.7 U	1.7 U	9.3	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9770	504	0 U	179.5	359	0 U	8.1	0 U	0 U	65.3	59
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	31 J	34 J	39 J
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	6012	1.6 U	3202	112	1252	751	11	214	131	37081
BAP EQUIVALENT-POS	1.6 U	6012	1.6 U	3202	112	1252	751	10	214	131	37081
BENZO(A)ANTHRACENE	1.2 U	4300	1.1 U	2200	50	860	450	9.7	110	110	34000
BENZO(A)PYRENE	1.6 U	4100	1.6 U	2200	78	810	510	8.3	150	89	24000
BENZO(B)FLUORANTHENE	1.5 U	5700	1.4 U	2800	92	960	700	9.6	140	95	27000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1800	2 U	930	40	440	250	1.9 U	61	43	14000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	4100	1.1 U	2400	54	890	470	9.3	130	130	41000
DIBENZO(A,H)ANTHRACENE	1.6 U	660	1.6 U	370	14	200	95	1.5 U	29	16	5300
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	1.8 U	2300	1.8 U	1200	51	550	280	1.7 U	97	51	15000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	22960	0 U	12100	379	4710	2755	36.9	717	534	160300
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	170000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	38270	1.6 U	461	1.5 U	76	67	13	740	83	198	71
BAP EQUIVALENT-POS	38270	1.6 U	461	1.5 U	75	66	12	740	83	198	70
BENZO(A)ANTHRACENE	31000	1.1 U	310	1.1 U	73	43	9.1	500	52	130	49
BENZO(A)PYRENE	27000	1.6 U	320	1.5 U	58	53	8.4	530	67	140	54
BENZO(B)FLUORANTHENE	27000	1.4 U	360	1.4 U	61	56	9.4	600	65	160	75
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13000	2 U	140	2 U	31	24	2.1 U	260	35	72	34
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	40000	1.1 U	340	1 U	78	48	11	540	61	150	62
DIBENZO(A,H)ANTHRACENE	3900	1.6 U	58	1.5 U	1.5 U	1.5 U	1.6 U	69	1.5 U	20	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	14000	1.8 U	140	1.7 U	31	28	19	280	36	79	32
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	155900	0 U	1668	0 U	332	252	56.9	2779	316	751	306
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	27	580	21	26405	38666	2.5	619	53	318	38	3.9 U
BAP EQUIVALENT-POS	26	580	20	26405	38666	0.81	619	53	318	37	3.9 U
BENZO(A)ANTHRACENE	1.1 U	370	12	19000	24000	1.1 U	460	30	170	11	3.9 U
BENZO(A)PYRENE	23	390	14	18000	27000	1.5 U	410	41	210	30	3.9 U
BENZO(B)FLUORANTHENE	26	430	25	20000	28000	8	470	42	230	33	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	1.9 U	170	11	8300	14000	1.9 U	170	25	77	1.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	400	14	22000	26000	8.9	540	40	220	12	1.3 U
DIBENZO(A,H)ANTHRACENE	1.5 U	89	1.5 U	3300	4600	1.5 U	88	1.6 U	53	1.5 U	3.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	1.7 U	190	25	11000	17000	1.7 U	260	41	140	26	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	49	2039	101	101600	140600	16.9	2398	219	1100	112	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	3.9 U	3.8 U	140	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
2-METHYLNAPHTHALENE	3.9 U	3.8 U	220	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	9.2	3.8 U
ACENAPHTHENE	3.9 U	3.8 U	300 J	3.8 U	3.4 UJ	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.9 U	3.8 U	750	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ANTHRACENE	3.9 U	3.8 U	1500 J	3.8 U	27	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5726	20	351	16	4.4 U	14	37	3.8 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	5707	18	351	14	4.4 U	11	35	3.8 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	4600	12	160	10	4.4 U	8.8	3.9 U	3.8 U
BENZO(A)PYRENE	3.9 U	3.8 U	4400 J	14	240	11	4.4 U	9.3	32 J	3.8 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	5900 J	14	230	16	4.4 U	12	27 J	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	3000 J	14	250	13	4.4 U	3.9 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	2200 J	8	100	3.7 U	4.4 U	3.9 U	30 J	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	260 J
C1-FLUORANTHENES/PYRENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	270 J
C1-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	130 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	140 J
C2-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	160 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	100 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
CHRYSENE	1.3 U	1.3 U	4800	15	200	18	1.5 U	10	25	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	38 U	3.8 U	54	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
FLUORANTHENE	3.9 U	3.8 U	6300 J	16	180	13	4.4 U	13	50 J	22 J
FLUORENE	3.9 U	3.8 U	390 J	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	2300 J	10	170	7.5	4.4 U	3.9 U	3.9 U	3.8 U
NAPHTHALENE	3.9 U	3.8 U	290	3.8 U	7.3	3.7 U	4.4 U	3.9 U	7.9	3.8 U
PHENANTHRENE	3.9 U	3.8 U	2900 J	3.8 U	28	3.7 U	4.4 U	3.9 U	32 J	3.8 U
PYRENE	3.9 U	3.8 U	12000	27	420	17	4.4 U	17	35	12
TOTAL PAHS	0 U	0 U	51850	130	2066.3	105.5	0 U	70.1	248.1	34
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-BUTANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-HEXANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
4-METHYL-2-PENTANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
ACETONE	64 UJ	62 UJ	60 UJ	77 J	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
BENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOFORM	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CARBON DISULFIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROFORM	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DIBROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 UJ	6 UJ	47 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
M+P-XYLENES	13 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UL	12 UL	11 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
METHYLENE CHLORIDE	6 UJ	7 J	6 UJ	6 UJ	6 UJ	6 J	6 UL	5 UL	NA	NA	NA
NAPHTHALENE	6 UJ	6 UJ	6 UJ	6 UJ	6 J	6 UL	6 UL	5 UL	NA	NA	NA
N-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
N-PROPYLBENZENE	6 UJ	6 UJ	6 UJ	7 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
O-XYLENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
STYRENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
VINYL ACETATE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
VINYL CHLORIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
2,4-DICHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4-DIMETHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4-DINITROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2,4-DINITROTOLUENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,6-DINITROTOLUENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-CHLORONAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-CHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2-NITROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
3&4-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
3-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	4800 U	910 U	4500 U	4500 U	4600 UJ	4600 U	4200 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLOROANILINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
4-NITROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
ACETOPHENONE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
BUTYL BENZYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
CAPROLACTAM	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
CARBAZOLE	430 U	2100 U	400 U	250 J	320 J	2000 UJ	2000 U	1800 U	NA	NA	NA
DIBENZOFURAN	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DIETHYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DIMETHYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	430 UJ	2100 U	400 U	1900 U	1900 UJ	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
HEXACHLOROBENZENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROBUTADIENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROETHANE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
ISOPHORONE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
NITROBENZENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
PENTACHLOROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
PHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	940 J	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	260 J	1800 U	NA	NA	NA
ACENAPHTHENE	430 U	2100 U	400 U	320 J	300 J	2000 UJ	640 J	240 J	77 U	75 U	77 U
ACENAPHTHYLENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	77 U	75 U	77 U
ANTHRACENE	430 U	2100 U	400 U	780 J	730 J	2000 UJ	2300 K	950 J	77 U	75 U	77 U
BAP EQUIVALENT-HALFND	378	2100 U	400 U	5264	4984	1785	38001	20536	104	77	213
BAP EQUIVALENT-POS	141	2100 U	400 U	5264	4984	685	38001	20536	66	32	174
BENZO(A)ANTHRACENE	91 J	2100 U	400 U	3100 J	2900 J	550 J	27000 J	13000 J	44 J	24 J	111
BENZO(A)PYRENE	110 J	2100 U	400 U	3400 J	3100 J	530 J	24000 J	13000 J	53 J	29 J	144
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	22000 J	10000 J	42 J	75 U	128
BENZO(B+K)FLUORANTHENE	220 J	2100 U	400 U	7200 J	6700 J	990 J	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 UJ	2100 U	400 U	1600 J	1500 J	2000 UJ	24000 J	15000 J	49 J	75 U	44 J
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	17000 J	12000 J	47 J	29 J	146
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130 J	2100 U	400 U	3600 J	3700 J	600 J	31000 J	16000 J	58 J	34 J	143
DIBENZO(A,H)ANTHRACENE	430 UJ	2100 U	400 U	680 J	780 J	2000 UJ	7200 J	4100 J	77 U	75 U	77 U
FLUORANTHENE	190 J	220 J	400 U	5900 J	5600 J	1200 J	21000 K	10000	63 J	37 J	158
FLUORENE	430 U	2100 U	400 U	270 J	380 J	2000 UJ	490 J	1800 U	77 U	75 U	77 U

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
INDENO(1,2,3-CD)PYRENE	430 UJ	2100 U	400 U	1500 J	1400 J	2000 UJ	17000 J	10000 J	38 J	75 U	49 J
NAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	380 J	230 J	77 U	75 U	77 U
PHENANTHRENE	110 J	2100 U	400 U	2800 J	3800 J	800 J	13000 K	5500	77 U	75 U	77 U
PYRENE	200 J	2100 U	400 U	4600 J	6900 J	1000 J	55000 J	27000 J	66 J	30 J	185
TOTAL PAHS	1051	220	0 U	35750	37790	5670	262270	137020	460	183	1108
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
AROCLOR-1016	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1221	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1232	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1242	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1248	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1254	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1260	330 U	310 U	290 U	280 U	290 U	410 J	780	260 U	NA	NA	11 J
BETA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	410	780	0 U	NA	NA	11
TOXAPHENE	NA	NA	NA	NA	1200 U	1200 UJ	12000 U	11000 U	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.2 UL	2.6 UL	2.8 U	2.5 U	3.9 L	2.6 UL	2.5 UL	2.7 UL	NA	NA	NA
ARSENIC	3.6	2	0.93	2.7	3	3.2	2.1	37	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 U	5.4	4.1	NA	NA	NA
CADMIUM	3.2 UL	2.6 UL	2.8 U	2.5 U	14	5.7	2.5 U	2.7 U	NA	NA	NA
CHROMIUM	21	21	15	19	48	30	25 J	34 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	14	16	12	20	45	28	15 J	14 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	43	47	6.5	210	340	110 J	60 K	93 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.22	0.23	0.11 U	4.2	1.4	0.41	0.1 U	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	12	13	14	7.9	13	280 J	21 K	270 K	NA	NA	NA
SELENIUM	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 UL	4.7	3.7	NA	NA	NA
SILVER	3.2 UL	2.6 UL	2.8 UL	2.5 UL	2.3 UL	2.6 UR	2.5 UR	2.7 UR	NA	NA	NA
THALLIUM	2.5 U	2 U	2.2 UL	2 UL	1.8 U	2.1 U	2 U	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	64	73	41 K	93	170	290	84	120	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	12000 U	12000 UJ	12000 U	12000	11000 U	120000 J	23000	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	120 U	120 U	15000	340	120 UJ	120 U	110 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ACENAPHTHYLENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ANTHRACENE	78 U	74 U	51 J	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
BAP EQUIVALENT-HALFND	90	74 U	1339	77 U	76 U	95	86 U	77 U	157	82 U	82 U
BAP EQUIVALENT-POS	0.022	74 U	1339	77 U	76 U	51	86 U	77 U	117	82 U	82 U
BENZO(A)ANTHRACENE	78 U	74 U	629	77 U	76 U	23 J	86 U	77 U	66 J	82 U	82 U
BENZO(A)PYRENE	78 U	74 U	937	77 U	76 U	45 J	86 U	77 U	88	82 U	82 U
BENZO(B)FLUORANTHENE	78 U	74 U	688	77 U	76 U	39 J	86 U	77 U	95	82 U	82 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	78 U	74 U	832	77 U	76 U	79 U	86 U	77 U	79	82 U	82 U
BENZO(K)FLUORANTHENE	78 U	74 U	673	77 U	76 U	24 J	86 U	77 U	76 J	82 U	82 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22 J	74 U	827	77 U	76 U	27 J	86 U	77 U	76 J	82 U	82 U
DIBENZO(A,H)ANTHRACENE	78 U	74 U	205	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
FLUORANTHENE	78 U	74 U	792	77 U	76 U	30 J	86 U	77 U	97	82 U	82 U
FLUORENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
INDENO(1,2,3-CD)PYRENE	78 U	74 U	578	77 U	76 U	79 U	86 U	77 U	123	82 U	82 U
NAPHTHALENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
PHENANTHRENE	78 U	74 U	192	77 U	76 U	79 U	86 U	77 U	26 J	82 U	82 U
PYRENE	39 J	74 U	1480	26 J	76 U	45 J	86 U	77 U	89	82 U	82 U
TOTAL PAHS	61	0 U	7884	26	0 U	233	0 U	0 U	815	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1221	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1232	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1242	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1248	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1254	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1260	NA	NA	8.2 J	NA	NA	37 U	NA	NA	18 J	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	8.2	NA	NA	0 U	NA	NA	18	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	33 J	79 U	78 U	81 U	80 U	386	300 U	84 U	83 U	81 U	NA
ACENAPHTHYLENE	38 J	79 U	78 U	81 U	80 U	378 U	300 U	84 U	564	81 U	NA
ANTHRACENE	119	28 J	54 J	34 J	73 J	1190	312	84 U	288	81 U	NA
BAP EQUIVALENT-HALFND	1072	290	352	461	244	7481	2832	144	2255	134	12
BAP EQUIVALENT-POS	1072	290	313	461	204	7481	2832	102	2255	94	12
BENZO(A)ANTHRACENE	696	168	233	255	166	4730	1820	69 J	441	69 J	NA
BENZO(A)PYRENE	821 J	164	247	292	161	5570 J	2160 J	80 J	1600	73 J	12 J
BENZO(B)FLUORANTHENE	924 J	146	197	262	173	6240 J	2510 J	93	3040	91	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	175 J	131	158	236	56 J	1250 J	393 J	40 J	737 J	81 U	NA
BENZO(K)FLUORANTHENE	1010 J	169	247	277	173	6090 J	2410 J	87	1710	94	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	847	190	257	296	183	5080	2030	79 J	2060	69 J	NA
DIBENZO(A,H)ANTHRACENE	57 J	76 J	78 U	88	80 U	577 J	158 J	84 U	208	81 U	NA
FLUORANTHENE	1390	367	550	486	401	8940	3290	125	383	137	NA
FLUORENE	29 J	79 U	78 U	81 U	28 J	342 J	84 J	84 U	83 U	81 U	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
INDENO(1,2,3-CD)PYRENE	212 J	167	205	258	69 J	1710 J	545 J	47 J	795	37 J	NA
NAPHTHALENE	84 U	79 U	78 U	81 U	80 U	378 U	300 U	84 U	83 U	81 U	NA
PHENANTHRENE	471	145	239	180	313	4550	1180	29 J	33 J	47 J	NA
PYRENE	1340	343	450	554	302	8150	3000	99	862	105	NA
TOTAL PAHS	8162	2094	2837	3218	2098	54805	19892	748	12721	722	12
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1221	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1232	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1242	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1248	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1254	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1260	1190 J	NA	NA	101	NA	NA	378	NA	NA	38 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	1190	NA	NA	101	NA	NA	378	NA	NA	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BAP EQUIVALENT-POS	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	160 J	140 J	1.4 U	3000	210 J	11 J	13 J	43 J	21 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	160	140	0 U	3000	210	11	13	43	21	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	83.9	88.8	85.1	95.9	84.8	92.5	90.8	91.8	83.5	93	82.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BAP EQUIVALENT-POS	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	9.9 J	990	75 J	80 J	340 J	64 J	12 J	2000	390	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9.9	990	75	80	340	64	12	2000	390	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	87.7	92.2	89	93.9	85.6	90.1	92.3	95.4	91.1	92.1	92.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BAP EQUIVALENT-POS	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	45 J	1.5 U	19 J	47 J	230 J	1.4 U	15 J	1.5 U	120 J	15 J	53 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	45	0 U	19	47	230	0 U	15	0 U	120	15	53
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	95.5	87.2	89.9	87	89.8	89.8	86.5	87.8	89.1	84.6	87.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BAP EQUIVALENT-POS	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	8.6 J	17 J	110 J	1.5 U	22 J	1.4 U	12 J	1.5 U	120 J	7.9 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.6	17	110	0 U	22	0 U	12	0 U	120	7.9	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	86.7	82.7	89.8	85.7	87.7	90.8	85.1	86.2	91.4	86.3	81.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	300 J	260 J	8.9 J	1.5 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	300	260	8.9	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	1.4	1.6	2.3	2.4	0.91 L	1.8 L	0.99 L	1.9 L	0.8 L
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	85.4	87.8	86.4	89.6	88.1	87.7	87.5	87.6	89.8	90.5	86.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2.5 L	1.3 L	1.6 L	0.92 L	0.92 L	1.2 L	1.1 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	87.3	88.9	87.9	90.6	90.9	89.8	90.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID			G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE			20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH			1	2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**1192**	4.2	**163**	**228**	**30**	**41**	**720**	**74**	**32**	1.5 U	**144**
BAP EQUIVALENT-POS	22	15 C	**1192**	2.7	**163**	**228**	**30**	**41**	**720**	**74**	**31**	1.5 U	**144**
BENZO(A)ANTHRACENE	220	150 C	**780**	1.1 U	84	140	13	17	**330**	31	25	1.1 U	80
BENZO(A)PYRENE	22	15 C	**800**	1.5 U	**100**	**150**	11	**18**	**490**	**42**	**24**	1.5 U	**86**
BENZO(B)FLUORANTHENE	220	150 C	**1000**	8.5	120	**170**	21	29	**560**	50	27	1.4 U	96
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	340	2 U	53	70	1.9 U	9.3	190	16	15	1.9 U	40
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	860	7.8	89	130	18	16	390	36	29	1 U	79
DIBENZO(A,H)ANTHRACENE	22	15 C	**160**	1.5 U	**34**	**37**	14	**16**	**110**	**20**	1.5 U	1.5 U	**34**
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	**500**	18	75	87	19	23	**290**	39	14	1.7 U	62
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	4440	34.3	555	784	96	128.3	2360	234	134	0 U	477
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID					G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE					20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH					2	1	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		396	368	174	46	65	399	98	52	55	12	76
BAP EQUIVALENT-POS	22		15	C	396	368	174	45	64	399	98	52	51	11	75
BENZO(A)ANTHRACENE	220		150	C	230	180	86	20	53	340	91	38	5.2 U	7.7	38
BENZO(A)PYRENE	22		15	C	250	240	110	36	49	270	75	38	43	9.2	60
BENZO(B)FLUORANTHENE	220		150	C	270	270	130	42	59	300	93	69	76	12	66
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	110	100	40	8.9	13	130	35	15	9.3 U	1.9 U	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	240	230	98	22	57	330	92	52	71	8.8	56
DIBENZO(A,H)ANTHRACENE	22		15	C	79	65	34	1.4 U	1.5 U	48	1.5 U	1.5 U	7.1 U	1.4 U	1.4 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	160	170	78	30	39	150	39	27	8.2 U	1.7 U	46
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		1339	1255	576	158.9	270	1568	425	239	190	37.7	291
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID					G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE					20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH					2	2	2	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		226	4.2	59	1893	1188	31	58	72	81	23	627
BAP EQUIVALENT-POS	22		15	C	226	2.6	58	1893	1180	30	58	71	80	22	627
BENZO(A)ANTHRACENE	220		150	C	110	1.1 U	48	1000	1300	26	52	46	78	21	380
BENZO(A)PYRENE	22		15	C	130	1.4 U	43	1300	870	22	46	55	59	17	450
BENZO(B)FLUORANTHENE	220		150	C	190	26	74	1200	1700	42	61	78	130	31	500
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	62	1.9 U	22	610	860	1.9 U	29	25	2 U	2 U	260
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	130	1 U	56	1200	1400	24	65	55	81	17	370
DIBENZO(A,H)ANTHRACENE	22		15	C	54	1.4 U	1.5 U	290	14 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	59
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	110	1.7 U	30	760	16 U	14	1.7 U	32	1.8 U	1.8 U	270
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		786	26	273	6360	6130	128	253	291	348	86	2289
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID				G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE				20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH				1	1	1	2	1	2	1	2	2	2	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6	58	44	105	55	22	434	1.5 U	1.5 U	1.5 U	229
BAP EQUIVALENT-POS	22	15	C	0.01	58	44	105	55	21	434	1.5 U	1.5 U	1.5 U	229
BENZO(A)ANTHRACENE	220	150	C	1.1 U	48	20	49	24	15	270	1.1 U	1.1 U	1.1 U	140
BENZO(A)PYRENE	22	15	C	1.4 U	43	21	58	29	15	300	1.5 U	1.5 U	1.5 U	150
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	68	29	81	39	22	320	1.4 U	1.4 U	1.4 U	180
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	24	13	28	10	10	170	2 U	2 U	2 U	60
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	10	57	26	50	26	15	240	1 U	1 U	1 U	140
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	1.5 U	16	28	17	1.5 U	59	1.5 U	1.5 U	1.5 U	37
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	27	23	54	27	22	140	1.7 U	1.7 U	1.7 U	94
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		10	267	148	348	172	99	1499	0 U	0 U	0 U	801
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID			G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE			20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH			1	1	1	2	1	1	1	2	1	1	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	24	22	60	57	20437	14418	8400	1978	1193	77	14
BAP EQUIVALENT-POS	22	15 C	23	22	58	57	20437	14418	8400	1978	1193	77	13
BENZO(A)ANTHRACENE	220	150 C	12	13	32	37	15000 J	10500	6000 J	1500	750	49	1.1 U
BENZO(A)PYRENE	22	15 C	17	16	44	43	14000 J	9900	5800 J	1300	820	59	13
BENZO(B)FLUORANTHENE	220	150 C	21	18	53	58	16000 J	11050	6100 J	1600	850	88	1.3 U
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	8.9	9.5	29	16	5100 J	3700	2300 J	560	370	28	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	15	12	39	41	16000 J	11300	6600 J	1500	800	55	11
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.6 U	3.7 U	1.5 U	2600 J	1850	1100 J	290	160	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	24	24	56	38	6700 J	4650	2600 J	710	480	36	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	97.9	92.5	253	233	75400	52950	30500	7460	4230	315	24
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID					G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE					20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH					2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		208	249	8306	33	596	114	424	151	666	449	87
BAP EQUIVALENT-POS	22		15	C	208	249	8306	32	596	114	424	151	666	449	87
BENZO(A)ANTHRACENE	220		150	C	100	190	3700	12	520	47	160	51	420	260	49 J
BENZO(A)PYRENE	22		15	C	130	160	5700	26	400	72	280	98	430	300	60 J
BENZO(B)FLUORANTHENE	220		150	C	150	210	6700	27	510	71	340	110	560	350	78 J
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	65	83	2100	8.6	190	35	130	44	170	150	25 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	120	170	4500	15	460	57	160	49	460	290	47 J
DIBENZO(A,H)ANTHRACENE	22		15	C	43	38	1200	1.5 U	73	24	75	30	110	68	9.9 J
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	94	98	3400	22	180	54	180	67	260	180	38 J
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		702	949	27300	110.6	2333	360	1325	449	2410	1598	306.9
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID			G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE			20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH			1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH			1	1	2	2	2	4	1	1	1	1	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1671	3256	23	72	71	530	474	2101	6250	256	572
BAP EQUIVALENT-POS	22	15 C	1671	3256	22	72	71	523	474	2101	6250	255	572
BENZO(A)ANTHRACENE	220	150 C	824.5	1600 J	16	41	42	560	320	1600	4600	190	410
BENZO(A)PYRENE	22	15 C	1230	2400 J	17	49	47	380	330	1400	4300	200	390
BENZO(B)FLUORANTHENE	220	150 C	1289	2500 J	20	45	54	520	340	1900	5700	240	560
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	232.5	440 J	2.1 U	27	21	250	130	1000	2500	110	240
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	873.5	1700 J	19	48	55	470	340	1800	4800	210	370
DIBENZO(A,H)ANTHRACENE	22	15 C	169.95	330 J	1.6 U	11	11	15 U	57	260	660	1.6 U	61
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	569	1100 J	12	30	35	320	190	790	2300	110	210
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	5188.45	10070	84	251	265	2500	1707	8750	24860	1060	2241
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	810000	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID				G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE				20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	2	2	2	2
BOTTOM DEPTH				1	1	1	2	2	2	2
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**1255**	**1513**	**123**	5.8	5.1	4.5	**27**
BAP EQUIVALENT-POS	22	15	C	**1253**	**1513**	**123**	4.8	4.3	3.7	**27**
BENZO(A)ANTHRACENE	220	150	C	**1200**	**1200**	74	3.3 J	3.05	2.8 J	15
BENZO(A)PYRENE	22	15	C	**950**	**1000**	**97**	3.6 J	3.2	2.8 J	**18**
BENZO(B)FLUORANTHENE	220	150	C	**1300**	**1400**	120	5.7 J	4.55	3.4 J	26
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	550	650	44	1.7 U	1.475	2.1 J	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1300	1100	91	3.5 J	3.35	3.2 J	17
DIBENZO(A,H)ANTHRACENE	22	15	C	3.4 U	**100**	1.5 U	1.8 U	1.75 U	1.7 U	3.8 J
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**460**	**550**	57	3.4 J	2.9	2.4 J	11
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5760	6090	483	19.5	18.1	16.7	90.8
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID				G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE				20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH				2	2	3	3	3	2	2	1	2	1	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	35 U	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	460	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	340	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	1200	NA	4.2 U	NA	4.2 U	140	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	2800	NA	4.2 U	NA	10	270	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		11699	NA	4.2 U	NA	58	1283	NA	13342	107	62	1.4 U
BAP EQUIVALENT-POS	22	15	C	11699	NA	4.2 U	NA	58	1283	NA	13342	107	61	1.4 U
BENZO(A)ANTHRACENE	220	150	C	11000	NA	4.2 U	NA	32	910	NA	6500	36	31	1.1 U
BENZO(A)PYRENE	22	15	C	7500 J	NA	4.2 U	NA	46 J	820 J	NA	9300	64	47	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	10000	NA	4.2 U	NA	35	940	NA	11000	65	70	1.3 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	5600	NA	4.2 U	NA	26	690	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4800	NA	4.2 U	NA	4.2 U	420	NA	3400	26	20	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	41000 J	NA	82 U	NA	NA	1100 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	47000 J	NA	82 U	NA	NA	1200 J	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	1200 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	33000 J	NA	82 U	NA	NA	820 J	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	20000 J	NA	82 U	NA	NA	590 J	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	3800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	1800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	31000 J	NA	82 U	NA	NA	770 J	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	7000 J	NA	82 U	NA	NA	210 J	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	7200 J	NA	82 U	NA	NA	200 J	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	4000 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	17000 J	NA	82 U	NA	NA	450 J	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	3000 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	4100 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	5900 J	NA	82 U	NA	NA	160 J	NA	NA	NA	NA
CHRYSENE	22000	15000	C	11000	NA	1.4 U	NA	39	1000	NA	8200	42	42	0.99 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1600 J	NA	4.2 U	NA	4.2 U	220 J	NA	1700	27	1.5 U	1.4 U
FLUORANTHENE	310000	230000	N	20000	NA	4.2 U	NA	48	1400	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	600	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4400 J	NA	4.2 U	NA	34 J	530 J	NA	5500	56	38	1.7 U
NAPHTHALENE	160000	3600	C	660	NA	4.2 U	NA	4.2 U	53	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	12000	NA	4.2 U	NA	25	570	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	28000	NA	9.4	NA	71	2300	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		121960	NA	9.4	NA	366	10263	NA	45600	316	248	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID				G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE				20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH				1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH				1	1	2	1	1	1	1	0	1	1	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1 J	2 U
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.5	2 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.2 J	2 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	3.36 J	14.5	4.16 J
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	30.5 J	128 J	29.3 J
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	1.8 J	2.1 J	2 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1.6 J	3.6	0.79 J
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.3 J	2 U
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	40.9 B	174 J	49.6 B
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	77.1 U	82.2 U	76.3 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 J
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	36 J	82 U	100
BAP EQUIVALENT-HALFND	22	15		**229**	**63**	**71**	**21**	**22**	**29**	**36**	NA	**516**	**112**	**1242**
BAP EQUIVALENT-POS	22	15	C	**229**	**64**	**70**	20	21	**28**	**35**	NA	**516**	**67**	**1242**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	48	52	14	19	20.5	22	NA	**335**	43 J	**757**
BENZO(A)PYRENE	22	15	C	**160**	**50**	**56**	**16**	**19**	**23.5**	**28**	NA	**382**	**56 J**	**949**
BENZO(B)FLUORANTHENE	220	150	C	**180**	61	54	19	1.3 UJ	15.325	30 J	NA	**314**	62 J	**838**
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	150	82 U	273
BENZO(K)FLUORANTHENE	2200	1500	C	62	22	29	2 U	1.9 U	5.975	11	NA	402	82 U	1070
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	62	51	57	14	22	23	24	NA	423	58 J	933
DIBENZO(A,H)ANTHRACENE	22	15	C	**33**	1.5 U	1.5 U	1.6 U	1.4 U	1.45 U	1.5 U	NA	**50 J**	82 U	**93**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	504	82 J	1140
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
INDENO(1,2,3-CD)PYRENE	220	150	C	120	27	31	10	1.6 UJ	9.9	19 J	NA	143	82 U	**264**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	109	30 J	291
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	682	91	1720
TOTAL PAHS	NC	NC		622	259	279	73	60	97	134	NA	3530	422	8506
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	13 J
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	13
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	0.6 L	2	0.9 L
ARSENIC	0.43	0.39	C	NA	**5.4**	**3.3**	NA	NA	NA	NA	NA	2 B	2 B	1 B
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	34	55	22
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.7	0.3
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	0.1 B	0.2 B	0.2 B
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	11.2	14.7	11.4
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	**15.8**	**3.2**
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	6	9	5
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	5	8	4
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	0.02	0.02	0.02
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	11	11	5
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	**20.2**	**25.7**	**20.9**
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	26	32	16
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	77200	29600	114000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	10700 U	12500 U	9600 U
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	7.1	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID				SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE				20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH				1	1	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	1.5 J	2.2 U	0.83 J	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	5.52 J	10.9	9 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	62.9 J	105 J	10.4 J	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	2.7	1.6 J	6.2	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	2.3 U	2.2 U	2.9	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	2 J	2.2 U	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	1.1 J	2.2 U	0.65 J	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	74.4 B	80.2 B	40.9 B	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	85.3 U	78.2 U	76.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	85 U	27 J	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		115	226	186	2.1 U	2.3	11	59	71	277	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	73	187	147	2.1 U	0.19	9.6	59	71	277	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	56 J	117	142	1.2 U	1.3 U	5.7 J	33	46	200	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	59 J	154	117	2.1 U	2.3 U	7.4 J	40	49	180	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	39 J	111	89	1.5 U	1.9 J	11	46	61	310	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	51 J	92	62 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	52 J	130	111	1.6 U	1.7 U	1.7 U	19	21	7.9 U	2.1 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	66 J	153	164	1.3 U	1.4 U	7.2 J	37	46	210	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	85 U	78 U	77 U	1.6 U	1.8 U	1.8 U	8.1	7.5 J	35 J	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	92	212	297	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	85 U	78 U	21 J	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	38 J	86	61 J	0.41 U	0.45 U	5.6 J	24	31	100	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	26 J	46 J	280	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	95	214	332	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		574	1342	1720	0 U	1.9	36.9	207.1	261.5	1036	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	40 U	12 J	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	0 U	12	0 U	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	1 L	0.7 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	5	2 B	3 B	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	74	39	33	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.3	0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.3 B	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	19.8	13.1	13.8	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	51.2	5.8	7.6	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	10	7	6	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		13	11	5	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.02	0.04	0.02	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	18	8	6	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	39.2	22.2	26.2	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	45	23	20	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		32200	163000	139000	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		11600 U	10500 U	10100 U	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-745C G-SB-745C-2 20091021 NORMAL SO NORMAL SB 2 2	SB-746 G-SB-746-2 20091009 NORMAL SO NORMAL SB 2 2	SB-747 G-SB-747-2 20091009 ORIG SO NORMAL SB 2 2	SB-747 G-SB-747-2-AVG 20091009 AVG SO NORMAL SB 2 2	SB-747 G-SB-747-2-D 20091009 DUP SO NORMAL SB 2 2	SB-748 G-SB-748-2 20091009 NORMAL SO NORMAL SB 2 2	SB-749 G-SB-749-2 20091021 NORMAL SO NORMAL SB 2 2	SB-750 G-SB-750-2 20091021 NORMAL SO NORMAL SB 2 2	SB-751 G-SB-751-2 20091021 NORMAL SO NORMAL SB 2 2	SB-752 G-SB-752-2 20091021 NORMAL SO NORMAL SB 2 2	SB-753 G-SB-753-2 20091021 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2661	140	2.2 U	53	105	2.2 U	2.5	1.5 U	1.5 U	18	17
BAP EQUIVALENT-POS	22	15	C	2661	140	2.2 U	53	105	2.2 U	0.81	1.5 U	1.5 U	18	16
BENZO(A)ANTHRACENE	220	150	C	1800	95	1.2 UJ	25.3	50 J	1.3 U	1.1 U	1.1 U	1.1 U	13	15
BENZO(A)PYRENE	22	15	C	1800	93	2.2 UJ	32.55	64 J	2.2 U	1.5 U	1.5 U	1.5 U	14	13
BENZO(B)FLUORANTHENE	220	150	C	2300	150	1.6 UJ	55.4	110 J	1.6 U	8.1	1.4 U	1.3 U	15	17
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	930	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U	2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1600	92	1.3 UJ	29.325	58 J	1.4 U	1.1 U	1 U	1 U	14	14
DIBENZO(A,H)ANTHRACENE	22	15	C	340	17	1.7 UJ	9.925	19 J	1.7 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1000	57	0.42 UJ	29.105	58 J	0.43 U	1.8 U	1.7 U	1.7 U	9.3	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		9770	504	0 U	179.5	359	0 U	8.1	0 U	0 U	65.3	59
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	31 J	34 J	39 J
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-754 G-SB-754-2 20091021 NORMAL SO NORMAL SB 2 2	SB-755 G-SB-755-2 20091103 NORMAL SO NORMAL SB 2 2	SB-756 G-SB-756-2 20091103 NORMAL SO NORMAL SB 2 2	SB-757 G-SB-757-2 20091103 NORMAL SO NORMAL SB 2 2	SB-758 G-SB-758-2 20091103 NORMAL SO NORMAL SB 2 2	SB-759 G-SB-759-1 20091113 NORMAL SO NORMAL SB 1 1	SB-760 G-SB-760-1 20091113 NORMAL SO NORMAL SB 1 1	SB-761 G-SB-761-1 20090930 NORMAL SO NORMAL SB 1 1	SB-761A G-SB-761A-1 20091022 NORMAL SO NORMAL SB 1 1	SB-761B G-SB-761B-1 20091022 NORMAL SO NORMAL SB 1 1	SB-761C G-SB-761C-1 20091022 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	6012	1.6 U	3202	112	1252	751	11	214	131	37081
BAP EQUIVALENT-POS	22	15	C	1.6 U	6012	1.6 U	3202	112	1252	751	10	214	131	37081
BENZO(A)ANTHRACENE	220	150	C	1.2 U	4300	1.1 U	2200	50	860	450	9.7	110	110	34000
BENZO(A)PYRENE	22	15	C	1.6 U	4100	1.6 U	2200	78	810	510	8.3	150	89	24000
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	5700	1.4 U	2800	92	960	700	9.6	140	95	27000
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	1800	2 U	930	40	440	250	1.9 U	61	43	14000
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	4100	1.1 U	2400	54	890	470	9.3	130	130	41000
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	660	1.6 U	370	14	200	75	1.5 U	23	16	5300
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	2300	1.8 U	1200	51	550	280	1.7 U	97	51	15000
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	22960	0 U	12100	379	4710	2755	36.9	717	534	160300
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		170000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761D G-SB-761D-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762 G-SB-762-1 20091001 NORMAL SO NORMAL SB 1 1	SB-762A G-SB-762A-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762B G-SB-762B-1 20091023 NORMAL SO NORMAL SB 1 1	SB-762C G-SB-762C-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762D G-SB-762D-1 20091022 NORMAL SO NORMAL SB 1 1	SB-763 G-SB-763-1 20091001 NORMAL SO NORMAL SB 1 1	SB-763A G-SB-763A-1 20091023 NORMAL SO NORMAL SB 1 1	SB-763B G-SB-763B-1 20091027 NORMAL SO NORMAL SB 1 1	SB-763C G-SB-763C-1 20091023 NORMAL SO NORMAL SB 1 1	SB-763D G-SB-763D-1 20091023 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		38270	1.6 U	461	1.5 U	76	67	13	740	83	198	71
BAP EQUIVALENT-POS	22	15	C	38270	1.6 U	461	1.5 U	75	66	12	740	83	198	70
BENZO(A)ANTHRACENE	220	150	C	31000	1.1 U	310	1.1 U	73	43	9.1	500	52	130	49
BENZO(A)PYRENE	22	15	C	27000	1.6 U	320	1.5 U	58	53	8.4	530	67	140	54
BENZO(B)FLUORANTHENE	220	150	C	27000	1.4 U	360	1.4 U	61	56	9.4	600	65	160	75
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	13000	2 U	140	2 U	31	24	2.1 U	260	35	72	34
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	40000	1.1 U	340	1 U	78	48	11	540	61	150	62
DIBENZO(A,H)ANTHRACENE	22	15	C	3900	1.6 U	53	1.5 U	1.5 U	1.5 U	1.6 U	63	1.5 U	20	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	14000	1.8 U	140	1.7 U	31	28	19	280	36	79	32
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		155900	0 U	1668	0 U	332	252	56.9	2779	316	751	306
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764 G-SB-764-1 20091002 NORMAL SO NORMAL SB 1 1	SB-764A G-SB-764A-1 20091027 NORMAL SO NORMAL SB 1 1	SB-764B G-SB-764B-1 20091113 NORMAL SO NORMAL SB 1 1	SB-764C G-SB-764C-1 20091027 NORMAL SO NORMAL SB 1 1	SB-764D G-SB-764D-1 20091027 NORMAL SO NORMAL SB 1 1	SB-765 G-SB-765-1 20091002 NORMAL SO NORMAL SB 1 1	SB-765A G-SB-765A-1 20091028 NORMAL SO NORMAL SB 1 1	SB-765B G-SB-765B-1 20091113 NORMAL SO NORMAL SB 1 1	SB-765C G-SB-765C-1 20091028 NORMAL SO NORMAL SB 1 1	SB-765D G-SB-765D-1 20091028 NORMAL SO NORMAL SB 1 1	SB-803 G-SB-803-SS 20100826 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	22	15		27	580	21	26405	38666	2.5	619	53	318	38	3.9 U
BAP EQUIVALENT-POS	22	15	C	26	580	20	26405	38666	0.81	619	53	318	37	3.9 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	370	12	19000	24000	1.1 U	460	30	170	11	3.9 U
BENZO(A)PYRENE	22	15	C	23	390	14	18000	27000	1.5 U	410	41	210	30	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	26	430	25	20000	28000	8	470	42	230	33	3.9 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	170	11	8300	14000	1.9 U	170	25	77	1.9 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	400	14	22000	26000	8.9	540	40	220	12	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	89	1.5 U	3300	4600	1.5 U	78	1.6 U	53	1.5 U	3.9 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	190	25	11000	17000	1.7 U	260	41	140	26	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	NC	NC		49	2039	101	101600	140600	16.9	2398	219	1100	112	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID				G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE				20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.8 U	140	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.8 U	220	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	9.2	3.8 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.8 U	300 J	3.8 U	3.4 UJ	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[4]	3.9 U	3.8 U	750	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.8 U	1500 J	3.8 U	27	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	3.8 U	5726	20	351	16	4.4 U	14	37	3.8 U
BAP EQUIVALENT-POS	22	15		3.9 U	3.8 U	5707	18	351	14	4.4 U	11	35	3.8 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.8 U	4600	12	160	10	4.4 U	8.8	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	3.9 U	3.8 U	4400 J	14	240	11	4.4 U	9.3	32 J	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	3.8 U	5900 J	14	230	16	4.4 U	12	27 J	3.8 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	3.9 U	3.8 U	3000 J	14	250	13	4.4 U	3.9 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	3.8 U	2200 J	8	100	3.7 U	4.4 U	3.9 U	30 J	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	260 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	270 J
C1-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	130 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	140 J
C2-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	160 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	100 J
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
CHRYSENE	22000	15000	C	1.3 U	1.3 U	4800	15	200	18	1.5 U	10	25	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.8 U	38 U	3.8 U	54	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	3.9 U	3.8 U	6300 J	16	180	13	4.4 U	13	50 J	22 J
FLUORENE	310000	230000	N	3.9 U	3.8 U	390 J	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.8 U	2300 J	10	170	7.5	4.4 U	3.9 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	3.9 U	3.8 U	290	3.8 U	7.3	3.7 U	4.4 U	3.9 U	7.9	3.8 U
PHENANTHRENE	2300000	170000	N[6]	3.9 U	3.8 U	2900 J	3.8 U	28	3.7 U	4.4 U	3.9 U	32 J	3.8 U
PYRENE	230000	170000	N	3.9 U	3.8 U	12000	27	420	17	4.4 U	17	35	12
TOTAL PAHS	NC	NC		0 U	0 U	51850	130	2066.3	105.5	0 U	70.1	248.1	34
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID					SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE					20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH					0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH					0	0	0	0	0	0	0	0	1	1.5	0.5
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-BUTANONE	4700000		2800000	N	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
ACETONE	7000000		6100000	N	64 UJ	62 UJ	60 UJ	77 J	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	6 UJ	6 UJ	6 UJ	47 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	6 UJ	7 J	6 UJ	6 UJ	6 UJ	6 J	6 UL	5 UL	NA	NA	NA
NAPHTHALENE	160000		3600	C	6 UJ	6 UJ	6 UJ	6 UJ	6 J	6 UL	6 UL	5 UL	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	6 UJ	6 UJ	6 UJ	7 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOLUENE	630000		500000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		430 U	2100 U	400 U	250 J	320 J	2000 UJ	2000 U	1800 U	NA	NA	NA
PHENOL	2300000		1800000	N	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	940 J	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	260 J	1800 U	NA	NA	NA
ACENAPHTHENE	470000		340000	N	430 U	2100 U	400 U	320 J	300 J	2000 UJ	640 J	240 J	77 U	75 U	77 U
ACENAPHTHYLENE	470000		340000	N[4]	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	77 U	75 U	77 U
ANTHRACENE	2300000		1700000	N	430 U	2100 U	400 U	780 J	730 J	2000 UJ	2300 K	950 J	77 U	75 U	77 U
BAP EQUIVALENT-HALFND	22		15		378	2100 U	400 U	5264	4984	1785	38001	20536	104	77	213
BAP EQUIVALENT-POS	22		15	C	141	2100 U	400 U	5264	4984	685	38001	20536	66	32	174
BENZO(A)ANTHRACENE	220		150	C	91 J	2100 U	400 U	3100 J	2900 J	550 J	27000 J	13000 J	44 J	24 J	111
BENZO(A)PYRENE	22		15	C	110 J	2100 U	400 U	3400 J	3100 J	530 J	24000 J	13000 J	53 J	29 J	144
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	NA	22000 J	10000 J	42 J	75 U	128
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	220 J	2100 U	400 U	7200 J	6700 J	990 J	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	430 UJ	2100 U	400 U	1600 J	1500 J	2000 UJ	24000 J	15000 J	49 J	75 U	44 J
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	NA	17000 J	12000 J	47 J	29 J	146
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	130 J	2100 U	400 U	3600 J	3700 J	600 J	31000 J	16000 J	58 J	34 J	143
DIBENZO(A,H)ANTHRACENE	22		15	C	430 UJ	2100 U	400 U	680 J	780 J	2000 UJ	7200 J	4100 J	77 U	75 U	77 U
FLUORANTHENE	310000		230000	N	190 J	220 J	400 U	5900 J	5600 J	1200 J	21000 K	10000	63 J	37 J	158
FLUORENE	310000		230000	N	430 U	2100 U	400 U	270 J	380 J	2000 UJ	490 J	1800 U	77 U	75 U	77 U
INDENO(1,2,3-CD)PYRENE	220		150	C	430 UJ	2100 U	400 U	1500 J	1400 J	2000 UJ	17000 J	10000 J	38 J	75 U	49 J
NAPHTHALENE	160000		3600	C	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	380 J	230 J	77 U	75 U	77 U
PHENANTHRENE	2300000		170000	N[6]	110 J	2100 U	400 U	2800 J	3800 J	800 J	13000 K	5500	77 U	75 U	77 U
PYRENE	230000		170000	N	200 J	2100 U	400 U	4600 J	6900 J	1000 J	55000 J	27000 J	66 J	30 J	185
TOTAL PAHS	NC		NC		1051	220	0 U	35750	37790	5670	262270	137020	460	183	1108
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1260	320		220	C	330 U	310 U	290 U	280 U	290 U	410 J	780	260 U	NA	NA	11 J
TOTAL AROCLOR	320	[8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	410	780	0 U	NA	NA	11
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	3.2 UL	2.6 UL	2.8 U	2.5 U	3.9 L	2.6 UL	2.5 UL	2.7 UL	NA	NA	NA
ARSENIC	0.43		0.39	C	3.6	2	0.93	2.7	3	3.2	2.1	37	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 U	5.4	4.1	NA	NA	NA
CADMIUM	3.9		7	N	3.2 UL	2.6 UL	2.8 U	2.5 U	14	5.7	2.5 U	2.7 U	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	21	21	15	19	48	30	25 J	34 J	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	14	16	12	20	45	28	15 J	14 J	NA	NA	NA
LEAD	400		400		43	47	6.5	210	340	110 J	60 K	93 K	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	0.22	0.23	0.11 U	4.2	1.4	0.41	0.1 U	0.11 U	NA	NA	NA
NICKEL	160		150	N	12	13	14	7.9	13	280 J	21 K	270 K	NA	NA	NA
SELENIUM	39		39	N	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 UL	4.7	3.7	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	64	73	41 K	93	170	290	84	120	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		12000 U	12000 UJ	12000 U	12000	11000 U	120000 J	23000	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		130 U	120 U	120 U	15000	340	120 UJ	120 U	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID			SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE			20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH			1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH			1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ACENAPHTHYLENE	470000	340000 N[6]	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ANTHRACENE	2300000	1700000 N	78 U	74 U	51 J	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
BAP EQUIVALENT-HALFND	22	15	90	74 U	1339	77 U	76 U	95	86 U	77 U	157	82 U	82 U
BAP EQUIVALENT-POS	22	15 C	0.022	74 U	1339	77 U	76 U	51	86 U	77 U	117	82 U	82 U
BENZO(A)ANTHRACENE	220	150 C	78 U	74 U	629	77 U	76 U	23 J	86 U	77 U	66 J	82 U	82 U
BENZO(A)PYRENE	22	15 C	78 U	74 U	937	77 U	76 U	45 J	86 U	77 U	88	82 U	82 U
BENZO(B)FLUORANTHENE	220	150 C	78 U	74 U	688	77 U	76 U	39 J	86 U	77 U	95	82 U	82 U
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	78 U	74 U	832	77 U	76 U	79 U	86 U	77 U	79	82 U	82 U
BENZO(K)FLUORANTHENE	2200	1500 C	78 U	74 U	673	77 U	76 U	24 J	86 U	77 U	76 J	82 U	82 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	22 J	74 U	827	77 U	76 U	27 J	86 U	77 U	76 J	82 U	82 U
DIBENZO(A,H)ANTHRACENE	22	15 C	78 U	74 U	205	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
FLUORANTHENE	310000	230000 N	78 U	74 U	792	77 U	76 U	30 J	86 U	77 U	97	82 U	82 U
FLUORENE	310000	230000 N	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
INDENO(1,2,3-CD)PYRENE	220	150 C	78 U	74 U	578	77 U	76 U	79 U	86 U	77 U	123	82 U	82 U
NAPHTHALENE	160000	3600 C	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
PHENANTHRENE	2300000	170000 N[6]	78 U	74 U	192	77 U	76 U	79 U	86 U	77 U	26 J	82 U	82 U
PYRENE	230000	170000 N	39 J	74 U	1480	26 J	76 U	45 J	86 U	77 U	89	82 U	82 U
TOTAL PAHS	NC	NC	61	0 U	7884	26	0 U	233	0 U	0 U	815	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1260	320	220 C	NA	NA	8.2 J	NA	NA	37 U	NA	NA	18 J	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	8.2	NA	NA	0 U	NA	NA	18	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID				SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE				20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH				0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH				0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	33 J	79 U	78 U	81 U	80 U	386	300 U	84 U	83 U	81 U	NA
ACENAPHTHYLENE	470000	340000	N[4]	38 J	79 U	78 U	81 U	80 U	378 U	300 U	84 U	564	81 U	NA
ANTHRACENE	2300000	1700000	N	119	28 J	54 J	34 J	73 J	1190	312	84 U	288	81 U	NA
BAP EQUIVALENT-HALFND	22	15		**1072**	**290**	**352**	**461**	**244**	**7481**	**2832**	**144**	**2255**	**134**	12
BAP EQUIVALENT-POS	22	15	C	**1072**	**290**	**313**	**461**	**204**	**7481**	**2832**	**102**	**2255**	**94**	12
BENZO(A)ANTHRACENE	220	150	C	**696**	**168**	**233**	**255**	**166**	**4730**	**1820**	69 J	**441**	69 J	NA
BENZO(A)PYRENE	22	15	C	**821 J**	**164**	**247**	**292**	**161**	**5570 J**	**2160 J**	**80 J**	**1600**	**73 J**	12 J
BENZO(B)FLUORANTHENE	220	150	C	**924 J**	146	**197**	**262**	**173**	**6240 J**	**2510 J**	93	**3040**	91	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	175 J	131	158	236	56 J	1250 J	393 J	40 J	737 J	81 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1010 J	169	247	277	173	**6090 J**	**2410 J**	87	**1710**	94	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	847	190	257	296	183	5080	2030	79 J	2060	69 J	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	**57 J**	**76 J**	78 U	**88**	80 U	**577 J**	**158 J**	84 U	**208**	81 U	NA
FLUORANTHENE	310000	230000	N	1390	367	550	486	401	8940	3290	125	383	137	NA
FLUORENE	310000	230000	N	29 J	79 U	78 U	81 U	28 J	342 J	84 J	84 U	83 U	81 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**212 J**	**167**	**205**	**258**	69 J	**1710 J**	**545 J**	47 J	**795**	37 J	NA
NAPHTHALENE	160000	3600	C	84 U	79 U	78 U	81 U	80 U	378 U	300 U	84 U	83 U	81 U	NA
PHENANTHRENE	2300000	170000	N[6]	471	145	239	180	313	4550	1180	29 J	33 J	47 J	NA
PYRENE	230000	170000	N	1340	343	450	554	302	8150	3000	99	862	105	NA
TOTAL PAHS	NC	NC		8162	2094	2837	3218	2098	54805	19892	748	12721	722	12
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1260	320	220	C	**1190 J**	NA	NA	101	NA	NA	**378**	NA	NA	38 U	NA
TOTAL AROCLOR	320 [8]	220	C[9]	**1190**	NA	NA	101	NA	NA	**378**	NA	NA	0 U	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.3
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID				SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	160 J	140 J	1.4 U	3000	210 J	11 J	13 J	43 J	21 J	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	160	140	0 U	3000	210	11	13	43	21	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		83.9	88.8	85.1	95.9	84.8	92.5	90.8	91.8	83.5	93	82.9
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID				SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	9.9 J	990	75 J	80 J	340 J	64 J	12 J	2000	390	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	9.9	990	75	80	340	64	12	2000	390	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		87.7	92.2	89	93.9	85.6	90.1	92.3	95.4	91.1	92.1	92.7
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID				SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BAP EQUIVALENT-POS	22	15	C	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	45 J	1.5 U	19 J	47 J	230 J	1.4 U	15 J	1.5 U	120 J	15 J	53 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		45	0 U	19	47	230	0 U	15	0 U	120	15	53
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		95.5	87.2	89.9	87	89.8	89.8	86.5	87.8	89.1	84.6	87.1
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID			SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE			20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH			2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BAP EQUIVALENT-POS	22	15 C	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	8.6 J	17 J	110 J	1.5 U	22 J	1.4 U	12 J	1.5 U	120 J	7.9 J	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	8.6	17	110	0 U	22	0 U	12	0 U	120	7.9	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	86.7	82.7	89.8	85.7	87.7	90.8	85.1	86.2	91.4	86.3	81.7
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID			SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE			20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH			1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH			2	2	0	2	0	2	0	2	0	2	0
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	300 J	260 J	8.9 J	1.5 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	300	260	8.9	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	1.4	1.6	2.3	2.4	0.91 L	1.8 L	0.99 L	1.9 L	0.8 L
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	85.4	87.8	86.4	89.6	88.1	87.7	87.5	87.6	89.8	90.5	86.4
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID				SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE				20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB
TOP DEPTH				1	0	1	0	1	0	1
BOTTOM DEPTH				2	0	2	0	2	0	2
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**2.5 L**	**1.3 L**	**1.6 L**	**0.92 L**	**0.92 L**	**1.2 L**	**1.1 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		87.3	88.9	87.9	90.6	90.9	89.8	90.3
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value is for benzo(b)fluoranthene.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.5 U	51	21	424	57	45	33	1.6 U
BAP EQUIVALENT-POS	9.1	1.5 U	50	20	424	56	44	33	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	31	14	250	37 J	29	21 J	1.2 U
BENZO(A)PYRENE	9.1	1.5 U	40	16	280	45 J	35.5	26 J	1.6 U
BENZO(B)FLUORANTHENE	1.3 U	1.4 U	38	15	340	45 J	36	27 J	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	24	13	110	20 J	16	12 J	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	7.6	1.1 U	42	18	260	42	34.5	27	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	66	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	26	9.8	180	26	21.5	17	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	16.7	0 U	201	85.8	1486	215	172.5	130	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
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SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	24	36	49	1.6 U	34	635	88	471
BAP EQUIVALENT-POS	319	23	36	48	1.6 U	33	635	88	471
BENZO(A)ANTHRACENE	190	17 J	24.5	32 J	1.1 U	24	340	46	310
BENZO(A)PYRENE	230	18 J	28.5	39 J	1.6 U	26	410	60	330
BENZO(B)FLUORANTHENE	240	19 J	27.5	36 J	1.4 U	28	490	66	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	7.8 J	13.4	19 J	2 U	12	180	23	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	230	19 J	27.5	36 J	1.1 U	27	400	51	290
DIBENZO(A,H)ANTHRACENE	33	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	110	12	53
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	120	12 J	17.5	23 J	1.8 U	19	300	43	200
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1153	92.8	138.9	185	0 U	136	2230	301	1713
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.6 U	14	13	42	1.5 U	106	1.7
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.6 U	13	12	41	1.5 U	106	0.0092
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.2 U	12	10	25	1.1 U	49	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.6 U	9.1	8.4	33	1.5 U	76	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.5 U	11	8.2	38	1.4 U	76	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2.1 U	2.1 U	2 U	2 U	16	2 U	35	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	11	11	28	1 U	65	9.2
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	13	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	18	17	20	1.7 U	43	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	61.1	54.6	160	0 U	357	9.2
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.2	1.5 U	1.5 U	1.5 U	1.5 U	80	11	24	23
BAP EQUIVALENT-POS	0.0092	1.5 U	1.5 U	1.5 U	1.5 U	80	9.4	23	23
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	51	1.1 U	16	15
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	47	1.5 U	17	17
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	54	58	18	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	29	15	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	4.875	1.1 U	1.1 U	1 U	1.1 U	61	23	16	15
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	19	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	34	34	24	23
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4.6	0 U	0 U	0 U	0 U	295	130	91	87
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	78	142	34	13	18	5209	3.9	1.7 U	1.4 U
BAP EQUIVALENT-POS	78	142	33	12	17	5209	2.1	1.7 U	1.4 U
BENZO(A)ANTHRACENE	33	61	18	10	14	3400	21	1.2 U	1.1 U
BENZO(A)PYRENE	45	88	27	10	14	3500	1.6 U	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	46	93	27	14	15	4200	1.5 U	1.5 U	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	14	36	12	2 U	2 U	1500	2.2 U	2.2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	41	71	20	9.3	17	4000	23	1.2 U	1 U
DIBENZO(A,H)ANTHRACENE	21	32	1.5 U	1.5 U	1.5 U	700	1.6 U	1.7 U	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	40	64	17	1.7 U	1.8 U	2300	1.9 U	1.9 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	240	445	121	43.3	60	19600	44	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	30	98	34
BAP EQUIVALENT-POS	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	29	98	33
BENZO(A)ANTHRACENE	1 U	1.05 U	1.1 U	1 U	1900	1 U	1.1 U	54	11
BENZO(A)PYRENE	1.4 U	1.45 U	1.5 U	1.4 U	2400	1.4 U	24	78	29
BENZO(B)FLUORANTHENE	1.3 U	1.35 U	1.4 U	1.3 U	2900	1.3 U	29	85	31
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.95 U	2 U	1.8 U	1000	1.8 U	1.9 U	27	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	0.99 U	0.995 U	1 U	0.97 U	2600	0.98 U	1 U	66	11
DIBENZO(A,H)ANTHRACENE	1.4 U	1.45 U	1.5 U	1.4 U	600	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.6 U	1700	1.6 U	22	55	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	13100	0 U	75	365	82
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	49	1.5 U	68	67	7.8	10059	2.8	1.5 U
BAP EQUIVALENT-POS	1.5 U	48	1.5 U	67	66	6.2	10059	1.1	1.5 U
BENZO(A)ANTHRACENE	1.1 U	17	1.1 U	62	49	19	8000	11	1.1 U
BENZO(A)PYRENE	1.5 U	39	1.5 U	51	53	1.5 U	6800	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	44	1.4 U	66	51	43	7500	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	10	2 U	28	23	1.9 U	3100	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	20	1.1 U	74	57	19	8000	9.2	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1300	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	31	1.8 U	30	28	1.7 U	3700	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	161	0 U	311	261	81	38400	20.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9.8	437	175	2.6	1.6 U	1.5 U	32	66	1.6 U
BAP EQUIVALENT-POS	8.9	437	174	0.85	1.6 U	1.5 U	31	65	1.6 U
BENZO(A)ANTHRACENE	1.1 U	200	100	1.2 U	1.1 U	1.1 U	1.1 U	29	1.2 U
BENZO(A)PYRENE	8	310	140	1.6 U	1.6 U	1.5 U	26	53	1.6 U
BENZO(B)FLUORANTHENE	9.1	330	150	8.5	1.4 U	1.4 U	28	55	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	130	75	2.1 U	2 U	2 U	2 U	13	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	260	110	1.1 U	1.1 U	1.1 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	51	1.7 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	210	86	1.9 U	1.8 U	1.8 U	23	38	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.1	1491	661	8.5	0 U	0 U	77	222	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.5 U	22	22	17	35	1207	1073	940
BAP EQUIVALENT-POS	1.55 U	1.5 U	21	21	16	35	1207	1073	939
BENZO(A)ANTHRACENE	1.15 U	1.1 U	19	19	18	12	900	835	770
BENZO(A)PYRENE	1.55 U	1.5 U	16	15	11	28	810	775	740
BENZO(B)FLUORANTHENE	1.45 U	1.4 U	34	34	29	32	850	815	780
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.05 U	2 U	2 U	2 U	1.9 U	2 U	390	340	290
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.05 U	1 U	17	18	15	11	850	765	680
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	170 J	85.775	3.1 UJ
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.75 U	1.7 U	1.8 U	9.4	1.7 U	22	470	435	400
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	86	95.4	73	105	4440	4050	3660
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	214	5922	21	1434	818	203	14	655	44
BAP EQUIVALENT-POS	214	5922	20	1431	817	203	14	655	43
BENZO(A)ANTHRACENE	110	4000	18	1400 J	770	140 J	12	440	32
BENZO(A)PYRENE	140	4000	14	1100 J	620	140 J	10	460	32
BENZO(B)FLUORANTHENE	140	4100	33	1200 J	675	150 J	23	480	54
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	59	1800	1.9 U	860 J	469	78 J	2 U	220	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	4300	18	1200 J	675	150 J	11	520	37
DIBENZO(A,H)ANTHRACENE	39	840	1.5 U	5.9 U	13.975	25	1.5 U	72	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	97	2500	8.1	610 J	346	82 J	1.8 U	280	21
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	715	21540	91.1	6370	3567.5	765	56	2472	189
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	32	692
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	31	692
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	320	1.1 U	46	20	430
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	370	1.5 U	50	23	480
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	410	1.4 U	55	43	500
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.9 U	1.9 U	170	2 U	21	16	280
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1 U	1 U	430	1 U	50	26	550
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	89	1.5 U	1.6 U	1.5 U	86
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.7 U	1.7 U	240	1.7 U	32	14	300
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	2029	0 U	254	142	2626
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	415	8.6	4.1	1.5 U	1657	1.5 U	1.5 U	24
BAP EQUIVALENT-POS	21	415	7.0	2.4	1.5 U	1655	1.5 U	1.5 U	23
BENZO(A)ANTHRACENE	14	200	31	1.1 U	1.1 U	1300	1.1 U	1.1 U	19
BENZO(A)PYRENE	17	280	1.5 U	1.5 U	1.5 U	1300	1.5 U	1.5 U	18
BENZO(B)FLUORANTHENE	15	300	39	24	1.4 U	1400	1.4 U	1.4 U	31 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.8	110	2 U	2 U	2 U	750	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	19	270	23	1.1 U	1 U	1600	1 U	1 U	18
DIBENZO(A,H)ANTHRACENE	1.5 U	71	1.5 U	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	11	130	1.7 U	1.8 U	1.7 U	760	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	85.8	1361	93	24	0 U	7110	0 U	0 U	86
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA
ACENAPHTHENE	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA
ANTHRACENE	NA	NA	NA
BAP EQUIVALENT-HALFND	20	17	1.5 U
BAP EQUIVALENT-POS	19	16	1.5 U
BENZO(A)ANTHRACENE	18	17	1.1 U
BENZO(A)PYRENE	16	14	1.5 U
BENZO(B)FLUORANTHENE	15.85	1.4 UJ	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA
C1-FLUORENES	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C2-FLUORENES	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C3-FLUORENES	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA
CHRYSENE	16	14	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA
FLUORENE	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA
PHENANTHRENE	NA	NA	NA
PYRENE	NA	NA	NA
TOTAL PAHS	65.5	45	0 U
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
TPH (C09-C36)	NA	NA	NA
TPH (C10-C32)	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)			
PERCENT SOLIDS	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)			
PH	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)			
MERCURY (METHYL)	NA	NA	NA
RADIONUCLIDES (PCI/G)			
ACTINIUM-228	NA	NA	NA
ALUMINUM-26	NA	NA	NA
AMERICIUM-241	NA	NA	NA
ANTIMONY-124	NA	NA	NA
ANTIMONY-125	NA	NA	NA
BERYLLIUM-7	NA	NA	NA
BISMUTH-212	NA	NA	NA
BISMUTH-214	NA	NA	NA
CERIUM-139	NA	NA	NA
CERIUM-144	NA	NA	NA
CESIUM-134	NA	NA	NA
CESIUM-137	NA	NA	NA
CHROMIUM-51	NA	NA	NA
COBALT-56	NA	NA	NA
COBALT-57	NA	NA	NA
COBALT-58	NA	NA	NA
COBALT-60	NA	NA	NA
EUROPIUM-152	NA	NA	NA
EUROPIUM-154	NA	NA	NA
EUROPIUM-155	NA	NA	NA
IODINE-131	NA	NA	NA
IRON-59	NA	NA	NA
LEAD-212	NA	NA	NA
LEAD-214	NA	NA	NA
MANGANESE-54	NA	NA	NA
NIOBIUM-94	NA	NA	NA
NIOBIUM-95	NA	NA	NA
POTASSIUM-40	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA
RADIUM-226	NA	NA	NA
RUTHENIUM-106	NA	NA	NA
SCANDIUM-46	NA	NA	NA
SILVER-110	NA	NA	NA
SODIUM-22	NA	NA	NA
THALLIUM-208	NA	NA	NA
THORIUM-227	NA	NA	NA
THORIUM-234	NA	NA	NA
URANIUM-235	NA	NA	NA
ZINC-65	NA	NA	NA

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	139	855	233	2.9	4214	60	51
BAP EQUIVALENT-POS	1.6 U	1.5 U	139	855	233	1.1	4214	59	50
BENZO(A)ANTHRACENE	1.1 U	1.1 U	93	570	160	1.2 U	2900	39	37
BENZO(A)PYRENE	1.6 U	1.5 U	97	590	160	1.6 U	3000	45	38
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	110	630	170	11	3200	70	59
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	42	260	68	2.1 U	1100	25	15
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	100	640	180	11	3400	47	38
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	16	110	30	1.6 U	440	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	52	320	91	1.8 U	1500	28	25
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	510	3120	859	22	15540	254	212
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	3172	6069
BAP EQUIVALENT-POS	21	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	3172	6069
BENZO(A)ANTHRACENE	14	360	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	2000	4400
BENZO(A)PYRENE	16	490	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	2200	4100
BENZO(B)FLUORANTHENE	36	560	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	2500	5000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	210	2 U	2 U	2.1 U	2.1 U	2.1 U	970	2400
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	430	1 U	1 U	1.1 U	1.1 U	1.1 U	2200	4500
DIBENZO(A,H)ANTHRACENE	1.5 U	84	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	380	740
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	330	1.7 U	1.7 U	1.9 U	1.9 U	1.9 U	1300	2600
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	82	2464	0 U	0 U	0 U	0 U	0 U	11550	23740
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19	1.7	2268	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	19	0.009	2268	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1700	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	14	1.5 U	1500	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	37	1.4 U	1800	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	670	2 U	2 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	8.5	1900	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	310	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	9.5	1.8 U	990	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	76.5	8.5	8870	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	246
BAP EQUIVALENT-POS	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	246
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	180
BENZO(A)PYRENE	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	170
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	210
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.3 U	2.2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.2 U	76
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	160
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	27
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	2 U	1.9 U	1.8 U	1.7 U	1.8 U	1.9 U	1.8 U	1.9 U	92
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	915
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	121	15223	439	859	430	1.6 U	127	1986	1.6 U
BAP EQUIVALENT-POS	121	15223	439	859	430	1.6 U	127	1986	1.6 U
BENZO(A)ANTHRACENE	71	6600	220	390 J	195.3	1.2 UJ	71	1100	1.2 U
BENZO(A)PYRENE	79	10000	310	620 J	310.4	1.6 UJ	92	1400	1.6 U
BENZO(B)FLUORANTHENE	94	11000	280	500 J	250.375	1.5 UJ	78	1300	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39	4600	140	290 J	145.525	2.1 UJ	42	770	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	72	6700	300	470 J	235.275	1.1 UJ	75	1300	1.1 U
DIBENZO(A,H)ANTHRACENE	20	2700	59	110 J	55.4	1.6 UJ	14	250	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	51	7100	180	370 J	185.475	1.9 UJ	52	870	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	426	48700	1489	2750	1375	0 U	424	6990	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	190	18	1.7 U	1.7 U	24	36	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	190	17	1.7 U	1.7 U	23	35	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	120	12	1.2 U	1.2 U	10	25	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	120	12	1.7 U	1.7 U	18	25	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	160	14	1.5 U	1.6 U	17	44	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	2.1 U	2.2 U	2.2 U	8.8	12	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	11	1.2 U	1.2 U	12	36	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	34	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	69	23	1.9 U	2 U	26	30	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	695	72	0 U	0 U	91.8	172	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	114	1.6 U	4.8	16	1.5 U	1.5 U	4.0	27
BAP EQUIVALENT-POS	1.6 U	114	1.6 U	3.0	15	1.5 U	1.5 U	2.3	26
BENZO(A)ANTHRACENE	1.2 U	96	1.2 U	1.2 U	8.7	1.1 U	1.1 U	12	23
BENZO(A)PYRENE	1.6 U	67	1.6 U	1.7 U	11	1.5 U	1.5 U	1.6 U	19
BENZO(B)FLUORANTHENE	1.5 U	88	1.5 U	8.8	12	1.4 U	1.4 U	11	21
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	39	2.1 U	2.2 U	2.1 U	2 U	2 U	2.1 U	9.7
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	83	1.1 U	1.1 U	8.7	1.1 U	1.1 U	11	25
DIBENZO(A,H)ANTHRACENE	1.6 U	23	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	47	1.8 U	21	23	1.8 U	1.8 U	1.9 U	23
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	443	0 U	29.8	63.4	0 U	0 U	34	120.7
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	127	16	1.5 U	1.6 U	46	40	1811	21	1.5 U
BAP EQUIVALENT-POS	127	15	1.5 U	1.6 U	45	40	1811	20	1.5 U
BENZO(A)ANTHRACENE	100	16	1.1 U	1.2 U	34	36	1500	13	1.1 U
BENZO(A)PYRENE	73	12	1.5 U	1.6 U	35	30	1300	16	1.5 U
BENZO(B)FLUORANTHENE	93	16	1.4 U	1.5 U	42	41	1300	15	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	32	2 U	2 U	2.1 U	22	17	540	12	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	100	14	1.1 U	1.1 U	36	40	1500	17	1 U
DIBENZO(A,H)ANTHRACENE	28	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	160	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	58	1.8 U	1.8 U	1.8 U	19	18	640	11	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	484	58	0 U	0 U	188	182	6940	84	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	40	269	4.2	21	44	119	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	39	269	2.5	20	43	119	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	26	190	1.1 U	16	28	78	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	31	180	1.5 U	15	32	94	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	54	210	25	37	54	100	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	17	84	1.9 U	2 U	24	60	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	32	230	1 U	19	34	87	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	38	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.7 U	100	1.7 U	1.8 U	23	62	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	160	1032	25	87	195	481	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	203	327	452	12	4746	78	38	36	103
BAP EQUIVALENT-POS	202	327	452	12	4746	78	37	36	103
BENZO(A)ANTHRACENE	140 J	205	270 J	8.6	3100	25	14	24	63
BENZO(A)PYRENE	160 J	235	310 J	8	3200	44	30	28	72
BENZO(B)FLUORANTHENE	180 J	255	330 J	27	3700	46	31	33	83
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	74 J	107	140 J	1.9 U	1300	16	7.7	12	37
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	160 J	235	310 J	8.7	3200	25	17	31	79
DIBENZO(A,H)ANTHRACENE	1.6 UJ	31.4	62 J	1.5 U	650	23	1.5 U	1.5 U	12
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	91 J	135.5	180 J	1.7 U	2000	38	25	18	44
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	805	1203.5	1602	52.3	17150	217	124.7	146	390
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1905	106	379	1.5 U	17	34	2	22	18
BAP EQUIVALENT-POS	1905	105	379	1.5 U	17	33	0.84	22	17
BENZO(A)ANTHRACENE	1100	52	200	1.1 UJ	11.275	22 J	1.1 U	12	6.275
BENZO(A)PYRENE	1300	86	260	1.5 UJ	13.875	27 J	1.5 U	16	12.85
BENZO(B)FLUORANTHENE	1600	86	270	1.4 UJ	10.85	21 J	8.4	21	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	470	47	110	2 UJ	8.5	16 J	2 U	1.9 U	1.95 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1200	65	240	1.1 UJ	13.275	26 J	1.1 U	13	6.75
DIBENZO(A,H)ANTHRACENE	250	1.5 U	53	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	790	51	180	1.8 UJ	8.95	17 J	1.8 U	24	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	6710	387	1313	0 U	64.5	129	8.4	86	63.35
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14	140	1.5 U	946	1.5 U	1.5 U	1.6 U	28	71
BAP EQUIVALENT-POS	13	140	1.5 U	946	1.5 U	1.5 U	1.6 U	27	71
BENZO(A)ANTHRACENE	1.1 U	59	1.1 U	580	1.1 U	1.1 U	1.2 U	10	44
BENZO(A)PYRENE	9.7	88	1.5 U	640	1.5 U	1.5 U	1.6 U	21	58
BENZO(B)FLUORANTHENE	11	100	1.4 U	870	1.4 U	1.4 U	1.5 U	26	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	28	2 U	230	2 U	2 U	2.1 U	2.1 U	65
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	73	1 U	700	1.1 U	1.1 U	1.1 U	11	53
DIBENZO(A,H)ANTHRACENE	1.5 U	29	1.5 U	120	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	20	64	1.7 U	380	1.8 U	1.8 U	1.9 U	23	35
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	40.7	441	0 U	3520	0 U	0 U	0 U	91	295
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	12	222	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	11	222	35	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	94	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	9.8	160	30	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	8.1	160	31	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	66	13	2 U	2 U	2 U	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	7.9	110	14	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	27	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	89	21	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	25.8	706	109	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	111	56	1.6 U	1.5 U	17	1.5 U	20
BAP EQUIVALENT-POS	111	56	1.6 U	1.5 U	16	1.5 U	20
BENZO(A)ANTHRACENE	23 J	11.775	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	68 J	34.4	1.6 UJ	1.5 U	16	1.5 U	16
BENZO(B)FLUORANTHENE	77 J	38.85	1.4 UJ	1.4 U	1.4 U	1.4 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13	7	2 U	1.9 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	33 J	16.775	1.1 UJ	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	28 J	14.4	1.6 UJ	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	52 J	26.45	1.8 UJ	1.7 U	1.8 U	1.8 U	19
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	294	147	0 U	0 U	16	0 U	52
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	799	1112	24698	604	1.5 U	1.5 U	76	2081
BAP EQUIVALENT-POS	23	799	1112	24698	604	1.5 U	1.5 U	76	2080
BENZO(A)ANTHRACENE	18	530	740	15000	420	1.1 U	1.1 U	47	950
BENZO(A)PYRENE	18	550	760	17000	430	1.5 U	1.5 U	48	1700
BENZO(B)FLUORANTHENE	18	690	900	18000	450	1.4 U	1.4 U	67	1800
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	11	330	400	8100	210	2 U	2 U	26	620
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	21	590	840	17000	390	1 U	1.1 U	57	1300
DIBENZO(A,H)ANTHRACENE	1.5 U	93	140	3300	61	1.5 U	1.5 U	13	3.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	11	300	430	10000	240	1.7 U	1.8 U	35	970
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	97	3083	4210	88400	2201	0 U	0 U	293	7340
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	83	1.5 U	1.5 U	24	149	1.6 U	2.8	58
BAP EQUIVALENT-POS	9.4	82	1.5 U	1.5 U	23	149	1.6 U	1.1	57
BENZO(A)ANTHRACENE	1.1 U	99	1.1 U	1.1 U	21	76	1.1 U	11 J	50
BENZO(A)PYRENE	8.4	60	1.5 U	1.5 U	16	92	1.6 U	1.5 UJ	32.375
BENZO(B)FLUORANTHENE	10	83	1.4 U	1.3 U	26	120	1.4 U	1.4 UJ	55.35
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	42	1.9 U	1.9 U	9	50	2 U	2 UJ	16
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	80	1 U	1 U	20	100	1.1 U	1 UJ	39.75
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	31	1.6 U	1.5 UJ	12.875
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	35	1.7 U	1.7 U	20	59	1.8 U	1.7 UJ	22.925
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	18.4	399	0 U	0 U	112	528	0 U	11	227
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	114	1.5 U	11	48	44	40	1.4 U	1.5 U	10
BAP EQUIVALENT-POS	114	1.5 U	10	47	43	39	1.4 U	1.5 U	9.2
BENZO(A)ANTHRACENE	89 J	1.1 U	1.1 U	40	36	32	1 U	1.1 U	1.1 U
BENZO(A)PYRENE	64 J	1.5 U	9.1	36	33	30	1.4 U	1.5 U	7.9
BENZO(B)FLUORANTHENE	110 J	1.4 U	9.5	43	39	35	1.3 U	1.4 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31 J	2 U	1.9 U	18	19.5	21	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	79 J	1.1 U	11	41	42.5	44	0.99 U	1 U	9.2
DIBENZO(A,H)ANTHRACENE	25 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	45 J	1.8 U	1.7 U	23	21	19	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	443	0 U	29.6	201	191	181	0 U	0 U	30.1
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	16	13	1.6 U	1.5 U	1.5 U	1.7 U	6.4	12	1.5 U
BAP EQUIVALENT-POS	15	12	1.6 U	1.5 U	1.5 U	1.7 U	6.0	11	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	4.4	8.2	1.1 U
BENZO(A)PYRENE	13	11	1.6 U	1.5 U	1.5 U	1.7 U	4.325	7.8	1.5 U
BENZO(B)FLUORANTHENE	13	1.4 U	1.5 U	1.4 U	1.4 U	1.6 U	4.6	8.4	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	2.1 U	2 U	2 U	2.2 U	2.05 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	8.7	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	7.8	8.5	1.8 U	1.8 U	1.8 U	2 UJ	9	17 J	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	46.8	28.2	0 U	0 U	0 U	0 U	20.7	41.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.4	1.6 U	1.5 U	1.5 U	4469	21	2.7	1.6 U	2.7
BAP EQUIVALENT-POS	1.7	1.6 U	1.5 U	1.5 U	4469	20	0.93	1.6 U	0.91
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	3000	16	1.2 U	1.2 U	9
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	3100	16	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	3400	17	9.2	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.9 U	2 U	1600	2.1 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1 U	1.1 U	3300	14	9.4	1.1 U	11
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	540	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	17	1.8 U	1.7 U	1.8 U	1700	8.2	1.9 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17	0 U	0 U	0 U	16640	71.2	18.6	0 U	20
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	55	386	242	77	23	14	15	780	65
BAP EQUIVALENT-POS	54	386	242	77	23	13	15	780	65
BENZO(A)ANTHRACENE	42	250	160	48	14	9.5	13	570	44 J
BENZO(A)PYRENE	42	270	170	52	18	11	12	550	44 J
BENZO(B)FLUORANTHENE	49	280	170	61	18	12	12	610	49 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	18	150	100	25	10	2.1 U	2 U	270	20 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	57	290	190	64	21	13	16	640	51 J
DIBENZO(A,H)ANTHRACENE	1.5 U	45	28	10	1.6 U	1.6 U	1.5 U	78	8.5 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	27	160	97	36	13	1.9 U	1.7 U	310	28 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	235	1445	915	296	94	45.5	53	3028	244.5
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	354	644	20	1.6 U	50	44	39	25	43
BAP EQUIVALENT-POS	354	644	19	1.6 U	49	43	38	24	42
BENZO(A)ANTHRACENE	247	450 J	11	1.1 U	41	35	29	18	24
BENZO(A)PYRENE	242	440 J	14	1.6 U	38	33.5	29	19	34
BENZO(B)FLUORANTHENE	254.5	460 J	15	1.4 U	41	35	29	20	35
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	120	220 J	2.1 U	2 U	17	14.5	12	9.5	15
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	305.5	560 J	16	1.1 U	43	36.5	30	20	28
DIBENZO(A,H)ANTHRACENE	45.75	83 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	149	270 J	21	1.8 U	25	27.5	30	11	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1363.75	2483	77	0 U	205	182	159	97.5	158
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	126	1.6 U	1.5 U	18	2.5	136	14	17	33
BAP EQUIVALENT-POS	126	1.6 U	1.5 U	17	0.84	136	13	16	32
BENZO(A)ANTHRACENE	55	1.2 U	1.1 U	12	1.1 U	92	12	7.9	13
BENZO(A)PYRENE	89	1.6 U	1.5 U	12	1.5 U	96	11	14	26
BENZO(B)FLUORANTHENE	94	1.5 U	1.4 U	18	8.4	100	12	13	31
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	38	2.1 U	2 U	1.9 U	1.9 U	44	2 U	1.9 U	8.1
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	77	1.1 U	1.1 U	14	1 U	99	9.9	1 U	18
DIBENZO(A,H)ANTHRACENE	16	1.6 U	1.5 U	1.5 U	1.5 U	14	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	57	1.8 U	1.8 U	20	1.7 U	59	1.8 U	1.7 U	18
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	426	0 U	0 U	76	8.4	504	44.9	34.9	114.1
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	67	65	1.5 U	3.1	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	67	65	1.5 U	1.3	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	25	27	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	48	45	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	45	47	1.4 U	13	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	21	21	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	35	35	1.1 U	8.7	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	8.9	9.1	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	31	30	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	213.9	214.1	0 U	21.7	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	20
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	19
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	14
BENZO(A)PYRENE	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	14
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U	7.9
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	16
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	20
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	88.9
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.15 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.45 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.05 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.75 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	548	2823	91	1.6 U	1.5 U	51	1.6 U
BAP EQUIVALENT-POS	1.5 U	548	2823	90	1.6 U	1.5 U	50	1.6 U
BENZO(A)ANTHRACENE	1.1 U	420	1900	56	1.2 U	1.1 U	44	1.2 U
BENZO(A)PYRENE	1.5 U	370	2000	70	1.6 U	1.5 U	38	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	490	2500	95	1.5 U	1.4 U	47	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	190	1100	40	2.1 U	2 U	23	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	410	2100	58	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	64	270	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	210	1000	44	1.9 U	1.8 U	25	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	2154	10870	363	0 U	0 U	219	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820
BAP EQUIVALENT-POS	23	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820
BENZO(A)ANTHRACENE	19	1.2 U	1.2 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	460
BENZO(A)PYRENE	18	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	540
BENZO(B)FLUORANTHENE	23	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	740
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	10	2.1 U	2.1 U	2.1 U	1.9 U	2 U	2 U	2 U	7.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U	1 U	540
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	120
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	9.8	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	390
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	99.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2790
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2492	4583	53040	27129	1218	2404	48	23	1.5 U
BAP EQUIVALENT-POS	2492	4583	53040	27129	1218	2404	48	22	1.5 U
BENZO(A)ANTHRACENE	1600	3300	43000 J	21855	710 J	2100	46	22	1.1 U
BENZO(A)PYRENE	1600	3000	35000 J	17895	790 J	1600	35	16	1.5 U
BENZO(B)FLUORANTHENE	2600	4300	51000 J	26100	1200 J	2400	55	27	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39 U	61 U	71 U	36.4 U	1.8 U	4.2 U	22	14	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1800	3100	40000 J	20355	710 J	2000	46	22	1.1 U
DIBENZO(A,H)ANTHRACENE	360	630	6500 J	3340	180 J	260	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1100	1900	21000 J	10780	560 J	920	22	9.2	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9060	16230	196500	100325	4150	9280	226	110.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.5 U	1.4 U	1.6 U	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	2381	177	10	2.3 U	2.6	4.9
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	2381	177	9.3	2.3 U	0.45	4.0
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1000	80	7 J	1.3 U	2 J	3.5 J
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1600	120	6.9 J	2.3 U	2.4 U	2.6 J
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	2100	160	11	1.7 U	2.5 J	7 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	2 U	15 U	3.4 U	1.6 U	1.7 U	1.8 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1 U	1100	82	5.9 J	1.5 U	1.8 J	7.7 J
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	350	25	1.7 U	1.8 U	1.9 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.7 U	1200	84	5.8 J	0.46 U	0.46 U	3.2 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	7350	551	36.6	0 U	6.3	24
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	637	2.2 U	2.2 U	2.3 U	8.2	142	1.6 U	1.7	2.6
BAP EQUIVALENT-POS	637	2.2 U	2.2 U	2.3 U	6.7	142	1.6 U	0.94	0.94
BENZO(A)ANTHRACENE	360	1.3 U	1.2 U	1.3 U	28	99	1.2 U	1.15 U	1.1 U
BENZO(A)PYRENE	410	2.2 U	2.2 U	2.3 U	1.4 U	110	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	640	1.6 U	1.6 U	1.7 U	39	140	1.5 U	5.075	9.4
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	6.3 U	1.7 U	1.6 U	1.7 U	1.9 U	60	2.1 U	2.05 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400	1.4 U	1.4 U	1.4 U	28	91	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	95	1.7 U	1.7 U	1.8 U	1.4 U	1.5 U	1.6 U	1.55 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	320	0.44 U	0.43 U	0.45 U	1.7 U	70	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2225	0 U	0 U	0 U	95	570	0 U	4.7	9.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	1200	1090	980
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263
BAP EQUIVALENT-POS	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263
BENZO(A)ANTHRACENE	1.2 U	2100	570	32	1.1 U	1.1 U	1.1 U	1.3 U	2700
BENZO(A)PYRENE	1.6 U	2100	570	35	1.6 U	1.5 U	1.5 U	2.2 U	2800
BENZO(B)FLUORANTHENE	1.5 U	2500	660	48	1.4 U	1.4 U	1.4 U	1.6 U	4300
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1300	320	19	2 U	1.9 U	2 U	1.6 U	60 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1800	590	39	1.1 U	1 U	1.1 U	1.4 U	2700
DIBENZO(A,H)ANTHRACENE	1.6 U	420	110	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	550
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1300	370	24	1.8 U	1.7 U	1.8 U	0.43 U	2100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	11520	3190	197	0 U	0 U	0 U	0 U	15150
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	550	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1041	2.4	2.2 U	2.4 U	2.2 U	4.6	578	29	1.6 U
BAP EQUIVALENT-POS	1041	0.30	2.2 U	2.4 U	2.2 U	3.7	578	28	1.6 U
BENZO(A)ANTHRACENE	650	1.4 J	1.2 U	1.4 U	1.3 U	2.7 J	360	18	1.1 U
BENZO(A)PYRENE	700	2.3 U	2.2 U	2.4 U	2.2 U	2.7 J	400	22	1.6 U
BENZO(B)FLUORANTHENE	1000	1.6 U	1.6 U	1.8 U	1.6 U	4.4 J	450	28	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	15 U	1.7 U	1.6 U	1.8 U	1.6 U	1.7 U	230	9	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	700	1.4 J	1.4 U	1.5 U	1.4 U	2.8 J	400	23	1.1 U
DIBENZO(A,H)ANTHRACENE	120	1.8 U	1.7 U	1.9 U	1.7 U	1.8 U	73	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	550	1.6 J	0.43 U	0.48 U	0.43 U	2.4 J	210	17	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	3720	4.4	0 U	0 U	0 U	15	2123	117	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	963	60
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	963	59
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	670	28
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	650	46
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.4 U	NA	NA	NA	850	65
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2 U	NA	NA	NA	370	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	690	45
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	120	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	370	37
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	NA	NA	3720	241
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	180000	980000	780000	440000	82000	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.4	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	761	66
BAP EQUIVALENT-POS	1.7	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	761	66
BENZO(A)ANTHRACENE	8.5	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	400	22
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	490	43
BENZO(B)FLUORANTHENE	8.9	1.4 U	1.4 U	1.5 U	1.4 U	1.3 U	1.5 U	680	57
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2.1 U	1.9 U	1.9 U	2.1 U	30 U	1.4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	500	25
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	120 J	10
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.9 U	420	49
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.4	0 U	0 U	0 U	0 U	0 U	0 U	2610	206
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	110000	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	5.0	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	211	3808
BAP EQUIVALENT-POS	2.2 U	4.1	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	211	3808
BENZO(A)ANTHRACENE	1.3 U	3.8 J	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	170	3000 J
BENZO(A)PYRENE	2.2 U	3.2 J	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	140	2600 J
BENZO(B)FLUORANTHENE	1.6 U	3.5 J	1.6 U	1.5 U	1.5 U	1.4 U	1.5 U	170	3400 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	2.1 U	2.1 U	2 U	2.1 U	99	1500 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	2.9 J	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U	150	2800 J
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.6 U	1.6 U	1.5 U	1.6 U	28	410 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	1.9 J	0.43 U	1.8 U	1.8 U	1.8 U	1.8 U	82	1400 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	15.3	0 U	0 U	0 U	0 U	0 U	839	15110
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	150000	920	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8463	13119	3534	265	2795	57089	131	30	19
BAP EQUIVALENT-POS	8463	13119	3534	265	2792	57089	130	29	18
BENZO(A)ANTHRACENE	7000	11000 J	2700	200	3000	44000	110	26	1.1 U
BENZO(A)PYRENE	5850	9100 J	2400	180	2100	37000	99	22	15
BENZO(B)FLUORANTHENE	6700	10000 J	3500	240	2800	55000	140	28	20
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2750	4000 J	1100	100	1300	25000	49	12	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	5800	8800 J	2600	200	2600	39000	130	24	13
DIBENZO(A,H)ANTHRACENE	905	1400 J	370	30	7.7 U	7800	1.5 U	1.4 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3050	4700 J	1300	100	960	21000	54	14	9.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	32055	49000	13970	1050	12760	228800	582	126	57.8
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9.4	12	15	16	19	74	71	8497	1319
BAP EQUIVALENT-POS	8.4	11	14	15	18	67	70	8497	1319
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	13	17	8 U	45	10000	1100
BENZO(A)PYRENE	8.4	10.2	12	12	14	58	54	5600	910
BENZO(B)FLUORANTHENE	1.5 UJ	9.875	19 J	15	19	90	67	8800	1200
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	14 U	32	2900	480
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	9.1	4.825	1.1 U	16	19	71	49	7800	1000
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11 U	1.6 U	730	130
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	13 U	42	2500	430
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.5	24.25	31	56	69	219	289	38330	5250
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	9.4	1.6 U	68	192	1.5 U	27	1.6 U	1.5 U
BAP EQUIVALENT-POS	318	8.4	1.6 U	68	191	1.5 U	27	1.6 U	1.5 U
BENZO(A)ANTHRACENE	310	1.1 U	1.2 U	44	140	1.1 U	20	1.1 U	1.1 U
BENZO(A)PYRENE	240	8.4	1.6 U	53	150	1.5 U	21	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	340	1.4 U	1.5 U	65	180	1.4 U	21	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	2 U	2.1 U	27	81	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	300	1.1 U	1.1 U	60	170	1.1 U	19	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	110	1.8 U	1.9 U	34	82	1.8 U	15	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1450	8.4	0 U	283	803	0 U	96	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BAP EQUIVALENT-POS	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	0.41 U	0.45 U	0.44 U	0.42 U	0.44 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.1 U	2.2 U	2.9	2.2 U	11	4.4	2.2 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	2.1 U	2.2 U	0.87	2.2 U	11	3.5	2.2 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.2 U	2.2 J	1.3 U	6.3 J	2.5 J	1.3 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.1 U	2.2 U	2.3 U	2.2 U	8.5	2.8 J	2.2 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.5 U	1.6 U	5 J	1.6 U	6.9 J	4.4 J	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	6 J	1.6 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.3 U	3.1 J	1.4 U	7.8 J	2.8 J	1.4 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.42 U	0.42 U	0.42 U	1.5 J	0.44 U	6.7 J	0.43 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	11.8	0 U	42.2	12.5	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.25 U	1.2 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U	1.65 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U	1.8 U	1.75 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.44 U	0.44 U	0.435 U	0.43 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	56	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	56	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	38	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U
BENZO(A)PYRENE	37	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	60	1.6 U	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.7 U	1.6 U	2 U	2.2 U	2.2 U	1.6 U	1.6 U	1.6 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	39	1.4 U	1.1 U	1.1 U	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	6.8 J	1.7 U	1.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	21	0.43 U	1.8 U	1.9 U	1.9 U	0.42 U	0.43 U	0.43 U	0.41 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	201.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.5	2.2 U	2.2 U	1.4 U	1.5 U	39	1.6 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	0.48	2.2 U	2.2 U	1.4 U	1.5 U	38	1.6 U
BENZO(A)ANTHRACENE	1.3 U	1.3 U	3.1 J	1.3 U	1.3 U	1 U	1.1 U	34	1.1 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.4 U	1.5 U	29	1.6 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.6 J	1.6 U	1.6 U	1.3 U	1.4 U	38	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9 U	2 U	16	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	8.5	1.4 U	1.4 U	0.99 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	1.7 U	1.8 U	17	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	13.2	0 U	0 U	0 U	0 U	168	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	36 J	39 J	41 J	41 J	42.5	44 J	46 J	34 J	5000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	15	15	16 U	1.5 U	1.5 U	3674	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	14	14	16 U	1.5 U	1.5 U	3674	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.2 U	6.1 U	11 U	1.1 U	1.1 U	2400	1.2 U
BENZO(A)PYRENE	1.6 U	1.5 U	11	11	16 U	1.5 U	1.5 U	2500	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	21	14	14 U	1.4 U	1.4 U	3500	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	8.7	8.7	20 U	2 U	1.9 U	1100	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	6.05 U	11 U	1 U	1 U	2500	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.7 U	8.85 U	16 U	1.5 U	1.5 U	430	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	9.4	9.4	18 U	1.7 U	1.7 U	1400	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	50.1	25.05	0 U	0 U	0 U	13830	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	62 J	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1915	1.7 U	13	1212	444	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1915	1.7 U	12	1212	444	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1100	1.3 U	10	890	270	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1100	1.7 U	11	790	300	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1500	1.6 U	1.5 U	910	410	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	510	2.2 U	2.1 U	300	110	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1000	1.2 U	9.5	920	300	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	460	1.7 U	1.6 U	190	59	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	890	2 U	1.8 U	480	160	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	6560	0 U	30.5	4480	1609	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	30	1.6 U	6993	23	3432	15	2640	78	102
BAP EQUIVALENT-POS	29	1.6 U	6993	22	3432	14	2640	78	102
BENZO(A)ANTHRACENE	31	1.1 U	5000	14	1800	9.9	1300	66 J	93
BENZO(A)PYRENE	21	1.6 U	4900	18	2500	12	1900	53 J	75.5
BENZO(B)FLUORANTHENE	26	1.4 U	6000	18	2000	12	1900	55 J	75
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	11	2 U	1700	7.9	1000	2.1 U	810	28 J	43
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	26	1.1 U	5700	18	2200	11	1700	73 J	101.5
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	700	1.5 U	420	1.6 U	290	9.7	5.225
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	26	1.8 U	2700	12	1200	1.8 U	1200	31 J	43.5
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	141	0 U	26700	87.9	11120	44.9	9100	315.7	436.35
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	127	59	27	1392	16	279	2.7	63	17
BAP EQUIVALENT-POS	126	59	26	1392	15	279	0.89	63	17
BENZO(A)ANTHRACENE	120 J	47	24	1200	16	240	8.8	55	14
BENZO(A)PYRENE	98 J	39	20	970	12	190	1.6 U	42	13
BENZO(B)FLUORANTHENE	95 J	37	22	1000	12	210	1.5 U	46	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	58 J	22	8.3	490	2 U	96	2.1 U	22	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130 J	55	27	1500	18	250	9.1	61	15
DIBENZO(A,H)ANTHRACENE	1.5 U	8.7	1.6 U	140	1.5 U	30	1.6 U	8.3	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	56 J	23	11	560	1.7 U	130	1.8 U	26	8.6
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	557	231.7	112.3	5860	58	1146	17.9	260.3	63.6
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355	19	364
BAP EQUIVALENT-POS	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355	18	364
BENZO(A)ANTHRACENE	320	1.1 U	1.1 U	1.1 U	23000	1.1 U	250	14	230
BENZO(A)PYRENE	260	1.6 U	1.55 U	1.5 U	20000	1.5 U	240	14	250
BENZO(B)FLUORANTHENE	270	1.4 U	1.4 U	1.4 U	19000	1.4 U	270	15	250
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	140	2 U	2 U	2 U	9800	2 U	110	2.1 U	120
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	370	1.1 U	1.1 U	1.1 U	29000	1 U	280	16	260
DIBENZO(A,H)ANTHRACENE	54	1.6 U	1.55 U	1.5 U	2800	1.5 U	47	1.6 U	49
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	150	1.8 U	1.8 U	1.8 U	10000	1.7 U	150	9.3	160
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1564	0 U	0 U	0 U	113600	0 U	1347	68.3	1319
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7	14	11	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BAP EQUIVALENT-POS	0.0085	13	10	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BENZO(A)ANTHRACENE	1.1 U	11	9.3	9900	1.1 U	1.2 U	1.2 U	78	1.1 U
BENZO(A)PYRENE	1.5 U	11	8.6	9100	1.5 U	1.6 U	1.6 U	91	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	10	8.3	9900	1.4 U	1.5 U	1.5 U	100	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	4200	2 U	2.1 U	2.1 U	47	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	8.5	11	9.6	10000	1.1 U	1.1 U	1.1 U	100	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1900	1.5 U	1.6 U	1.6 U	14	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.9 U	4800	1.8 U	1.8 U	1.8 U	61	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.5	43	35.8	49800	0 U	0 U	0 U	491	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	626	44	1.5 U	240	1.6 U	1.6 U	1.6 U	5047
BAP EQUIVALENT-POS	626	43	1.5 U	239	1.6 U	1.6 U	1.6 U	5047
BENZO(A)ANTHRACENE	520	41	1.1 U	150	1.2 U	1.2 U	1.2 U	2700
BENZO(A)PYRENE	440	33	1.5 U	190	1.6 U	1.6 U	1.6 U	3500
BENZO(B)FLUORANTHENE	460	38	1.4 U	220	1.5 U	1.5 U	1.5 U	3900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	190	15	2 U	97	2.1 U	2.1 U	2.1 U	1400
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	520	44	1 U	190	1.1 U	1.1 U	1.1 U	3400
DIBENZO(A,H)ANTHRACENE	65	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	670
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	210	19	1.7 U	110	1.8 U	1.8 U	1.8 U	2000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2405	190	0 U	957	0 U	0 U	0 U	17570
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	16	10	3.3	97	22	4.2	1.7	12	1.6 U
BAP EQUIVALENT-POS	15	8.5	1.6	97	22	2.6	0.008	11	1.6 U
BENZO(A)ANTHRACENE	11	5.8	1.2 U	63	16	8.5	1.1 U	9.6	1.2 U
BENZO(A)PYRENE	11	5.9	1.6 U	58	16	1.6 U	1.5 U	9.1	1.6 U
BENZO(B)FLUORANTHENE	13	6.875	1.5 U	65	18	1.5 U	1.4 U	9.3	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.05 U	2.1 U	27	2.1 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	6.775	1.1 U	69	19	1.1 U	7.9	8.9	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.55 U	1.6 U	21	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19	17.5	16	44	22	17	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	67	41.5	16	347	91	25.5	7.9	36.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1539	1.5 U	15495	1.7	270	17	9096	24	4608
BAP EQUIVALENT-POS	1539	1.5 U	15495	0.0078	270	16	9096	23	4599
BENZO(A)ANTHRACENE	950	1.1 U	9500	1.1 U	150	14	6500	21	4100
BENZO(A)PYRENE	1100	1.5 U	11000	1.5 U	200	13	6200	18	3600
BENZO(B)FLUORANTHENE	1100	1.4 U	10000	1.4 U	180	13	7500	20	3700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	550	2 U	5400	2 U	130	2.1 U	2800	1.9 U	1500
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1200	1.1 U	11000	7.8	190	16	8000	24	4300
DIBENZO(A,H)ANTHRACENE	170	1.5 U	1900	1.5 U	25	1.6 U	1100	1.5 U	17 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	570	1.8 U	5800	1.7 U	110	1.9 U	3600	9.4	2000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5640	0 U	54600	7.8	985	56	35700	92.4	19200
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	34	1.6 U	1.6 U	1.6 U	2.8	124	1396	1857
BAP EQUIVALENT-POS	1.6 U	33	1.6 U	1.6 U	1.6 U	1.0	124	1394	1856
BENZO(A)ANTHRACENE	1.1 U	29	1.2 U	1.2 U	1.2 U	9.9	110	1100 J	1550
BENZO(A)PYRENE	1.6 U	24	1.6 U	1.6 U	1.6 U	1.6 U	94	1100	1450
BENZO(B)FLUORANTHENE	1.4 U	41	1.5 U	1.5 U	1.5 U	1.5 U	130	1200 J	1650
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	13	2.1 U	2.1 U	2.1 U	2.1 U	50	510 J	755
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	29	1.1 U	1.1 U	1.1 U	8.3	110	1200 J	1650
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	3.1 U	3.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	17	1.8 U	1.8 U	1.8 U	1.9 U	50	580	765
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	153	0 U	0 U	0 U	18.2	544	5690	7820
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2319	1.5 U	1301	1.6 U	44	1.5 U	2117	95	76
BAP EQUIVALENT-POS	2317	1.5 U	1300	1.6 U	44	1.5 U	2117	95	76
BENZO(A)ANTHRACENE	2000 J	1.1 U	1200	1.1 U	27	1.1 U	1700	48	34
BENZO(A)PYRENE	1800	1.5 U	1000	1.6 U	35	1.5 U	1500	52	40
BENZO(B)FLUORANTHENE	2100 J	1.4 U	1200	1.4 U	35	1.4 U	1700	75	54
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1000 J	1.9 U	630	2 U	19	1.9 U	740	24	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	2100 J	1 U	1300	1.1 U	38	1 U	1800	54	41
DIBENZO(A,H)ANTHRACENE	4 U	1.5 U	3.2 U	1.6 U	1.5 U	1.5 U	200	26	23
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	950	1.7 U	520	1.8 U	22	1.7 U	680	48	39
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9950	0 U	5850	0 U	176	0 U	8320	327	251
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	91	106	15	7060	225	16912	11	12	13
BAP EQUIVALENT-POS	91	106	14	7060	225	16912	10	11	12
BENZO(A)ANTHRACENE	44.5	55	12	5100	150	15000	9.4	9.4	9.4
BENZO(A)PYRENE	51	62	12	4600	150	12000	9.3	9.65	10
BENZO(B)FLUORANTHENE	62.5	71	11	4800	170	14000	1.6 U	4.7	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	26.5	33	2 U	2400	56	4600	2.2 U	2.15 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	54.5	68	14	6100	170	16000	13	12.5	12
DIBENZO(A,H)ANTHRACENE	24.5	26	1.5 U	1200	34	1300	1.7 U	1.65 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	44	49	1.7 U	2400	82	6500	2 U	1.95 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	307.5	364	49	26600	812	69400	31.7	35.85	40
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	21710	504	11763	1.6 U	406	1.5 U	67	105	327
BAP EQUIVALENT-POS	21710	504	11763	1.6 U	406	1.5 U	66	105	327
BENZO(A)ANTHRACENE	20000	410	9700	1.1 U	360	1.1 U	57	69	240
BENZO(A)PYRENE	15000	340	8100	1.6 U	270	1.5 U	52	83	210
BENZO(B)FLUORANTHENE	17000	370	9800	1.4 U	300	1.4 U	57	92	230
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	6800	180	3200	2 U	130	2 U	31	25	110
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	480	11000	1.1 U	330	1.1 U	57	82	260
DIBENZO(A,H)ANTHRACENE	2100	65	1200	1.6 U	53	1.5 U	1.6 U	1.5 U	56
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	8200	190	4700	1.8 U	150	1.8 U	25	52	130
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	91100	2035	47700	0 U	1593	0 U	279	403	1236
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.5	78	28	80	39	9950	39	30	3834
BAP EQUIVALENT-POS	0.8	78	27	79	38	9950	38	29	3834
BENZO(A)ANTHRACENE	8	42	17	54	12	7200	12	8	2400
BENZO(A)PYRENE	1.5 U	42	21	60	31	6500	31	28	2600
BENZO(B)FLUORANTHENE	1.4 U	50	14	82	34	7200	31	1.4 U	3000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	19	23	23	2.1 U	3300	8.1	2 U	1100
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	49	25	67	12	6800	18	1.1 U	2800
DIBENZO(A,H)ANTHRACENE	1.5 U	23	1.6 U	1.6 U	1.6 U	1600	1.5 U	1.5 U	530
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	37	28	51	24	3700	25	1.8 U	1500
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8	262	128	337	113	36300	125.1	36	13930
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
2-METHYLNAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
ACENAPHTHENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	37
ACENAPHTHYLENE	NA	3.9 U	3.9 U	3.6 U	14	3.8 U	4.1 U	3.8 U	82
ANTHRACENE	NA	3.9 U	3.9 U	3.6 U	38 J	3.8 U	4.1 U	3.8 U	270
BAP EQUIVALENT-HALFND	513	3.9 U	34	3.6 U	144	3.8 U	29	3.8 U	1432
BAP EQUIVALENT-POS	513	3.9 U	31	3.6 U	142	3.8 U	26	3.8 U	1424
BENZO(A)ANTHRACENE	300	3.9 U	3.9 U	3.6 U	83	3.8 U	29	3.8 U	1300
BENZO(A)PYRENE	340	3.9 U	31 J	3.6 UJ	110 J	3.8 U	20	3.8 U	1100
BENZO(B)FLUORANTHENE	420	3.9 U	3.9 U	3.6 UJ	150 J	3.8 U	22	3.8 U	1200
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	3.9 U	3.9 U	21 J	100 J	3.8 U	17	3.8 U	860
BENZO(K)FLUORANTHENE	130	3.9 U	3.9 U	3.6 UJ	59 J	3.8 U	13	3.8 U	620
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	360	1.3 U	16	1.2 U	110	1.3 U	31	1.3 U	1600
DIBENZO(A,H)ANTHRACENE	76	3.9 U	3.9 U	3.6 UJ	4.2 U	3.8 U	4.1 U	3.8 U	16 U
FLUORANTHENE	NA	3.9 U	31 J	20 J	150 J	3.8 U	46	3.8 U	2500
FLUORENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
INDENO(1,2,3-CD)PYRENE	230	3.9 U	3.9 U	3.6 UJ	80 J	3.8 U	12	3.8 U	660
NAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
PHENANTHRENE	NA	3.9 U	19 J	3.6 U	66 J	3.8 U	32	3.8 U	1500
PYRENE	NA	3.9 U	28	3.6 U	230	3.8 U	68	3.8 U	4100
TOTAL PAHS	1856	0 U	125	41	1190	0 U	290	0 U	15829
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
2-METHYLNAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	480	3.7 U
ACENAPHTHENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	660 J	3.7 U
ACENAPHTHYLENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	520	3.7 U
ANTHRACENE	4 U	9.8	4.2 U	9.1	3.8 U	3.95 U	4.1 U	1700 J	3.7 U
BAP EQUIVALENT-HALFND	4 U	60	4.2 U	67	3.8 U	3.95 U	4.1 U	15215	3.7 U
BAP EQUIVALENT-POS	4 U	58	4.2 U	65	3.8 U	3.95 U	4.1 U	15215	3.7 U
BENZO(A)ANTHRACENE	4 U	46	4.2 U	58	3.8 U	3.95 U	4.1 U	10000	3.7 U
BENZO(A)PYRENE	4 U	45	4.2 U	48	3.8 U	3.95 U	4.1 U	10000 J	3.7 U
BENZO(B)FLUORANTHENE	4 U	50	4.2 U	68	3.8 U	3.95 U	4.1 U	14000 J	3.7 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	41	4.2 U	56	3.8 U	3.95 U	4.1 U	9200 J	3.7 U
BENZO(K)FLUORANTHENE	4 U	27	4.2 U	30	3.8 U	3.95 U	4.1 U	5300 J	3.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	58	1.4 U	76	1.3 U	1.35 U	1.4 U	12000	1.2 U
DIBENZO(A,H)ANTHRACENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	2100 J	3.7 U
FLUORANTHENE	4 U	76	4.2 U	88	3.8 U	3.95 U	4.1 U	16000 J	3.7 U
FLUORENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
INDENO(1,2,3-CD)PYRENE	4 U	30	4.2 U	40	3.8 U	3.95 U	4.1 U	6500 J	3.7 U
NAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	510	3.7 U
PHENANTHRENE	4 U	40	4.2 U	38	3.8 U	3.95 U	4.1 U	7600 J	3.7 U
PYRENE	4 U	120	4.2 U	140	3.8 U	3.95 U	4.1 U	30000	3.7 U
TOTAL PAHS	0 U	542.8	0 U	651.1	0 U	0 U	0 U	126570	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	7.6 U	3.7 U	37 U
2-METHYLNAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	20	3.7 U	37 U
ACENAPHTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	18	3.7 U	37 U
ACENAPHTHYLENE	3.65 U	3.6 U	3.8 UL	3.9 U	22	3.7 U	77	3.7 U	80
ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	180	3.7 U	380
BAP EQUIVALENT-HALFND	3.65 U	3.6 U	3.8 U	3.9 U	51	3.7 U	2009	3.7 U	8573
BAP EQUIVALENT-POS	3.65 U	3.6 U	3.8 U	3.9 U	49	3.7 U	2009	3.7 U	8573
BENZO(A)ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	35	3.7 U	1200	3.7 U	4500
BENZO(A)PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	38	3.7 U	1300	3.7 U	6000
BENZO(B)FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	43	3.7 U	1200	3.7 U	5900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.65 U	3.6 U	3.8 UL	3.9 U	33	3.7 U	1300	3.7 U	5900
BENZO(K)FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	16	3.7 U	710	3.7 U	2600
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	1.3 UL	1.3 U	41	1.2 U	1200	1.2 U	7000 J
DIBENZO(A,H)ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	370	3.7 U	1100
FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	50	3.7 U	1200	3.7 U	5700
FLUORENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	25	3.7 U	37 U
INDENO(1,2,3-CD)PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	25	3.7 U	910	3.7 U	4000
NAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	22	3.7 U	37 U
PHENANTHRENE	3.65 U	3.6 U	3.8 UL	3.9 U	19	3.7 U	240	3.7 U	980
PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	81	3.7 U	2500	3.7 U	11000
TOTAL PAHS	0 U	0 U	0 U	0 U	403	0 U	12472	0 U	55140
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
2-METHYLNAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
ACENAPHTHENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	36
ACENAPHTHYLENE	3.9 U	3.9 U	3.9 U	7.9	4 U	18	3.6 U	4.2 U	96
ANTHRACENE	3.9 U	21 J	3.9 U	36 J	4 U	31	3.6 U	4.2 U	240
BAP EQUIVALENT-HALFND	3.9 U	71	3.9 U	179	5.4	248	11	18	1927
BAP EQUIVALENT-POS	3.9 U	69	3.9 U	177	1	246	8.4	15	1919
BENZO(A)ANTHRACENE	3.9 U	43 J	3.9 U	110	4 U	140	3.6 U	4.2 UJ	1500
BENZO(A)PYRENE	3.9 U	59 J	3.9 U	140 J	4 U	200	8.4	14	1500
BENZO(B)FLUORANTHENE	3.9 U	52 J	3.9 U	170 J	10	200	3.6 U	13	1700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.9 UJ	3.9 U	100 J	4 U	160	3.6 U	4.2 U	1200
BENZO(K)FLUORANTHENE	3.9 UJ	29 J	3.9 U	89 J	4 U	100	3.6 U	4.2 U	670
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
CHRYSENE	1.3 U	47 J	1.3 U	150	1.3 U	190	8.5	1.4 UJ	1700
DIBENZO(A,H)ANTHRACENE	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
FLUORANTHENE	3.9 U	71 J	3.9 U	170 J	8.4	220	9.7	4.2 U	2500
FLUORENE	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.9 UJ	3.9 U	82 J	4 U	110	3.6 U	4.2 U	910
NAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
PHENANTHRENE	3.9 U	39 J	3.9 UJ	77 J	4 U	42	3.6 U	4.2 U	1100
PYRENE	3.9 U	110 J	3.9 U	270	9.6	400	16	26 J	4200
TOTAL PAHS	0 U	471	0 U	1401.9	28	1811	42.6	53	17352
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	18	3.9 U
2-METHYLNAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	31	3.9 U
ACENAPHTHENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
ACENAPHTHYLENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	72	3.9 U
ANTHRACENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	24 J	3.9 U	130	3.9 U
BAP EQUIVALENT-HALFND	4 U	3.95 U	3.9 U	57	3.8 U	66	3.9 U	780	3.9 U
BAP EQUIVALENT-POS	4 U	3.95 U	3.9 U	55	3.8 U	64	3.9 U	776	3.9 U
BENZO(A)ANTHRACENE	4 U	3.95 U	3.9 U	44	3.8 U	35	3.9 U	540	3.9 U
BENZO(A)PYRENE	4 U	3.95 U	3.9 U	43	3.8 U	55 J	3.9 U	610 J	3.9 U
BENZO(B)FLUORANTHENE	4 U	3.95 U	3.9 U	43	3.8 U	48 J	3.9 U	700 J	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.95 U	3.9 U	41	3.8 U	4.1 U	3.9 U	570	3.9 U
BENZO(K)FLUORANTHENE	4 U	3.95 U	3.9 U	21	3.8 U	29 J	3.9 U	270	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	49	1.3 U	42	1.3 U	610	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
FLUORANTHENE	4 U	3.95 U	3.9 U	63	3.8 U	56 J	3.9 U	700 J	3.9 U
FLUORENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	3.95 U	3.9 U	26	3.8 U	4.1 U	3.9 U	390 J	3.9 U
NAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	40	3.9 U
PHENANTHRENE	4 U	3.95 U	3.9 U	25	3.8 U	24 J	3.9 U	240	3.9 U
PYRENE	4 U	3.95 U	3.9 U	100	3.8 U	82	8.9 J	1200 J	3.9 U
TOTAL PAHS	0 U	0 U	0 U	455	0 U	395	8.9	6103	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	4 U	3.9 U	900
2-METHYLNAPHTHALENE	4 U	3.9 U	650
ACENAPHTHENE	4 U	3.9 U	1200 J
ACENAPHTHYLENE	4 U	3.9 U	1000
ANTHRACENE	4 U	3.9 U	3500 J
BAP EQUIVALENT-HALFND	4 U	3.9 U	10566
BAP EQUIVALENT-POS	4 U	3.9 U	10524
BENZO(A)ANTHRACENE	4 U	3.9 U	10000
BENZO(A)PYRENE	4 U	3.9 U	8100 J
BENZO(B)FLUORANTHENE	4 U	3.9 U	9400 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.9 U	5700 J
BENZO(K)FLUORANTHENE	4 U	3.9 U	4300 J
C1-CHRYSENES	NA	NA	NA

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NA	79 U	NA
C1-FLUORENES	NA	79 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C2-FLUORENES	NA	79 U	NA
C2-NAPHTHALENES	NA	79 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C3-FLUORENES	NA	79 U	NA
C3-NAPHTHALENES	NA	79 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C4-NAPHTHALENES	NA	79 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
CHRYSENE	1.3 U	1.3 U	11000
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	84 U
FLUORANTHENE	21 J	3.9 U	17000 J
FLUORENE	4 U	3.9 U	1800 J
INDENO(1,2,3-CD)PYRENE	4 U	3.9 U	4300 J
NAPHTHALENE	4 U	3.9 U	220
PHENANTHRENE	4 U	3.9 U	18000 J
PYRENE	11	3.9 U	31000
TOTAL PAHS	32	0 U	127170
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
TPH (C09-C36)	NA	NA	NA
TPH (C10-C32)	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)			
PERCENT SOLIDS	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)			
PH	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)			
MERCURY (METHYL)	NA	NA	NA
RADIONUCLIDES (PCI/G)			
ACTINIUM-228	NA	NA	NA
ALUMINUM-26	NA	NA	NA
AMERICIUM-241	NA	NA	NA
ANTIMONY-124	NA	NA	NA
ANTIMONY-125	NA	NA	NA
BERYLLIUM-7	NA	NA	NA
BISMUTH-212	NA	NA	NA
BISMUTH-214	NA	NA	NA
CERIUM-139	NA	NA	NA
CERIUM-144	NA	NA	NA
CESIUM-134	NA	NA	NA
CESIUM-137	NA	NA	NA
CHROMIUM-51	NA	NA	NA
COBALT-56	NA	NA	NA
COBALT-57	NA	NA	NA
COBALT-58	NA	NA	NA
COBALT-60	NA	NA	NA
EUROPIUM-152	NA	NA	NA
EUROPIUM-154	NA	NA	NA
EUROPIUM-155	NA	NA	NA
IODINE-131	NA	NA	NA
IRON-59	NA	NA	NA
LEAD-212	NA	NA	NA
LEAD-214	NA	NA	NA
MANGANESE-54	NA	NA	NA
NIOBIUM-94	NA	NA	NA
NIOBIUM-95	NA	NA	NA
POTASSIUM-40	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA
RADIUM-226	NA	NA	NA
RUTHENIUM-106	NA	NA	NA
SCANDIUM-46	NA	NA	NA
SILVER-110	NA	NA	NA
SODIUM-22	NA	NA	NA
THALLIUM-208	NA	NA	NA
THORIUM-227	NA	NA	NA
THORIUM-234	NA	NA	NA
URANIUM-235	NA	NA	NA
ZINC-65	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	39	3.9 U	NA
2-METHYLNAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	64	3.9 U	NA
ACENAPHTHENE	4.1 U	NA	3.8 U	NA	4 U	NA	29	3.9 U	NA
ACENAPHTHYLENE	8.6	NA	3.8 U	NA	4 U	NA	170	19	NA
ANTHRACENE	12	NA	3.8 U	NA	4 U	NA	320	34	NA
BAP EQUIVALENT-HALFND	64	NA	3.8 U	NA	37	NA	1610	155	NA
BAP EQUIVALENT-POS	62	NA	3.8 U	NA	35	NA	1610	153	NA
BENZO(A)ANTHRACENE	40	NA	3.8 U	NA	22	NA	1000	110	NA
BENZO(A)PYRENE	50 J	NA	3.8 U	NA	28 J	NA	1100 J	120 J	NA
BENZO(B)FLUORANTHENE	41	NA	3.8 U	NA	17	NA	1200	130	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	31	NA	3.8 U	NA	13	NA	880	100	NA
BENZO(K)FLUORANTHENE	18	NA	3.8 U	NA	10	NA	540	53	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	89 J	NA	78 U	NA	80 U	NA	NA	83 J
C1-FLUORANTHENES/PYRENES	NA	96 J	NA	78 U	NA	80 U	NA	NA	84 J
C1-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C1-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
CHRYSENE	47	NA	1.3 U	NA	25	NA	1200	130	NA
DIBENZO(A,H)ANTHRACENE	4.1 U	NA	3.8 U	NA	4 U	NA	220 J	3.9 U	NA
FLUORANTHENE	62	NA	3.8 U	NA	37	NA	1700	170	NA
FLUORENE	4.1 U	NA	3.8 U	NA	4 U	NA	56	3.9 U	NA
INDENO(1,2,3-CD)PYRENE	35 J	NA	3.8 U	NA	25 J	NA	630 J	80 J	NA
NAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	87	8.4	NA
PHENANTHRENE	30	NA	3.8 U	NA	4 U	NA	800	82	NA
PYRENE	92	NA	3.8 U	NA	55	NA	2500	260	NA
TOTAL PAHS	466.6	NA	0 U	NA	232	NA	12496	1296.4	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	8.7 J	14 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	15 B	14 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	110 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
VINYL CHLORIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	56	85	35	1.2 U	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	NA	NA	89	150	58	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	91	160	60	1.5 U	1.5 U	1.4 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	28	45	26	2.1 U	2.1 U	2 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	70	92	49	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	NA	NA	26	46	22	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	70	110	49	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	430	688	299	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.34 J	0.17 B	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2.1 L	1.8 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	24.2	14.4	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.44	0.33	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.22	0.085	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	11.4 J	8 J	NA	NA	NA	NA	NA	NA	NA
COBALT	5.4 J	2.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	6.4 J	6 J	NA	NA	NA	NA	NA	NA	NA
IRON	17200 J	15700 J	NA	NA	NA	NA	NA	NA	NA
LEAD	10.4 J	5.9 J	NA	NA	NA	NA	NA	NA	NA
MANGANESE	123 J	67.3 J	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 UL	0.02 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.25 B	0.22 B	NA	NA	NA	NA	NA	NA	NA
NICKEL	4.9 J	3.2 J	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.18 UL	0.19 UL	NA	NA	NA	NA	NA	NA	NA
SILVER	0.21	0.12	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.073	0.053	NA	NA	NA	NA	NA	NA	NA
VANADIUM	15.7 J	13.3 J	NA	NA	NA	NA	NA	NA	NA
ZINC	20.2 K	13.1 K	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.2	85.4	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	288	1.4 U	1727	24	27	30	3684	37
BAP EQUIVALENT-POS	1.6 U	288	1.4 U	1727	23	26	29	3684	36
BENZO(A)ANTHRACENE	1.2 U	170	1 U	670	1.1 U	1.1 U	1.1 U	2800	22
BENZO(A)PYRENE	1.6 U	190	1.4 U	1200	23	23.5	24	2500	29
BENZO(B)FLUORANTHENE	1.5 U	210	1.3 U	1200	1.4 UJ	13.35	26 J	2600	46
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	87	1.9 U	440	2 U	2.25	3.5 J	1100	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	200	0.98 U	900	1.1 U	1.1 U	1.1 U	2800	21
DIBENZO(A,H)ANTHRACENE	1.6 U	46	1.4 U	250	1.6 U	1.55 U	1.5 U	480	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	130	1.6 U	850	1.8 UJ	11.95	23 J	1500	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1033	0 U	5510	23	49.75	76.5	13780	118
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BAP EQUIVALENT-POS	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BENZO(A)ANTHRACENE	1.1 U	1.1 U	140	1.1 U	1.1 U	1.1 U	150	36	130
BENZO(A)PYRENE	1.5 U	1.5 U	290	1.5 U	1.5 U	1.6 U	320	39	140
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	310	1.4 U	1.4 U	1.4 U	330	42	140
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	130	2 U	2 U	2 U	150	17	73
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	200	1.1 U	1.1 U	1.1 U	190	41	120
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.9 U	1.5 U	1.5 U	1.6 U	53	22	40
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	220	1.8 U	1.8 U	1.8 U	200	35	89
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1290	0 U	0 U	0 U	1393	232	732
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	3.2	2.1
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	28	9028	988	70	66	62	1.5 U	23492	11
BAP EQUIVALENT-POS	28	9028	988	70	66	62	1.5 U	23492	10
BENZO(A)ANTHRACENE	11	5400	690	36	33.5	31	1.1 U	18000	8.8
BENZO(A)PYRENE	9.3	6100	680	41	37.5	34	1.5 U	16000	8.4
BENZO(B)FLUORANTHENE	12	7200	700	44	41	38	1.4 U	21000	10
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2200	330	20	18	16	2 U	3600	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	12	5700	690	45	41.5	38	1.1 U	16000	9.1
DIBENZO(A,H)ANTHRACENE	14	1300	130	17	17.5	18	1.5 U	2700	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19	3400	350	35	33	31	1.8 U	8400	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	77.3	31300	3570	238	222	206	0 U	85700	36.3
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	4.1	3.2	6.9	8.5	6.9	5.3	1.6	8.3	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	386	1.5 U	31	23	1364	1.6 U	4718	NA	NA
BAP EQUIVALENT-POS	385	1.5 U	30	22	1364	1.6 U	4718	NA	NA
BENZO(A)ANTHRACENE	210	1.1 U	18	1.1 U	700	1.1 U	2800	NA	NA
BENZO(A)PYRENE	320	1.5 U	24	18	980	1.6 U	3200	NA	NA
BENZO(B)FLUORANTHENE	300	1.4 U	24	21	990	1.4 U	3400	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	83	2 U	13	2 U	480	2 U	1500	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	240	1.1 U	25	1.1 U	840	1.1 U	3300	NA	NA
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.5 U	140	1.6 U	690	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	1.8 U	16	20	690	1.8 U	1900	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1283	0 U	120	59	4820	0 U	16790	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	1 U	1 U	1 U	2	1 U	1 U	140	1 U	2
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	1 U	1 U	3	1 U	1 U	19	1 U	1 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
DIESEL RANGE ORGANICS	12000 U	12000 U	12000 U	12000 U	12000 U	13000 U	12000 U	11000 U	32000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,1-TRICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2,2-TETRACHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2-TRICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1-DICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	0.54 J	2.5 U
1,1-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,4-TRIMETHYLBENZENE	2.2 U	2.1 U	1.1 J	0.82 J	2.1 U	2.5 U	2.2 U	0.69 J	2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
1,2-DIBROMOETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3,5-TRIMETHYLBENZENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
1,3-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3-DICHLOROPROPENE	4.48 U	4.13 U	4.36 U	4.6 U	4.25 U	5 U	4.48 U	4.51 U	4.92 U
1,4-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,4-DIOXANE	112 U	103 U	109 U	115 U	106 U	125 U	112 U	113 U	123 U
2,2-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
2-BUTANONE	8.96 U	8.26 U	8.73 U	9.2 U	3.58 J	3.64 J	3.85 J	9.03 U	8.17 J
2-CHLOROETHYL VINYL ETHER	2.2 UR	2.1 UR	2.2 UR	2.3 UR	2.1 UR	2.5 UR	2.2 UR	2.3 UR	2.5 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	8.96 U	8.26 U	8.73 U	9.2 U	8.5 U	9.99 U	8.96 U	9.03 U	9.83 U
4-CHLOROTOLUENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
4-ISOPROPYLTOLUENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
4-METHYL-2-PENTANONE	9 U	8.3 U	8.7 U	9.2 U	8.5 U	10 U	9 U	9 U	9.8 U
ACETONE	8.8 J	13 J	6.8 J	3.6 J	39.5 J	38.5 J	51 J	7.6 J	89.6 J
BENZENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
BROMOBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOCHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMODICHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOFORM	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CARBON DISULFIDE	2.2 U	2.1 U	1.2 J	2.3 U	2.1 U	2.1 J	0.83 J	0.68 J	0.76 J
CARBON TETRACHLORIDE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLORODIBROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROFORM	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CIS-1,2-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CIS-1,3-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DIBROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DICHLORODIFLUOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DIISOPROPYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ETHYL TERT-BUTYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ETHYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
FLUORODICHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
HEXACHLOROBUTADIENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ISOPROPYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
M+P-XYLENES	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
METHYL TERT-BUTYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
METHYLENE CHLORIDE	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
NAPHTHALENE	2.2 U	2.1 U	0.62 J	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-PROPYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
O-XYLENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
SEC-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
STYRENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERT-AMYL METHYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERT-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERTIARY-BUTYL ALCOHOL	9 U	8 U	9 U	9 U	8 U	10 U	9 U	7 J	10 U
TETRACHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TOLUENE	3.8	1.4 J	2.8	2 J	2.1 U	3.9	1.6 J	1.2 J	2.5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	6.7 U	6.2 U	6.5 U	6.9 U	6.4 U	7.5 U	6.7 U	6.8 U	7.4 U
TRANS-1,2-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TRANS-1,3-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TRICHLOROETHENE	2.2 U	2.1 U	0.98 J	0.92 J	2.1 U	1.1 J	0.62 J	1.3 J	2.5 U
TRICHLOROFLUOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
VINYL ACETATE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VINYL CHLORIDE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,2-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,3-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,4-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,4-DIOXANE	387 U	364 U	375 U	378 U	375 U	414 U	368 U	387 U	424 U
2,2'-OXYBIS(1-CHLOROPROPANE)	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
2,4,5-TRICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4,6-TRICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DIMETHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DINITROPHENOL	587 U	551 U	568 U	572 U	567 U	627 U	557 U	587 U	642 U
2,4-DINITROTOLUENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
2,6-DINITROTOLUENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
2-CHLORONAPHTHALENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
2-CHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2-NITROANILINE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
2-NITROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
3&4-METHYLPHENOL	787 U	738 U	761 U	767 U	760 U	840 U	747 U	786 U	860 U
3,3'-DICHLOROBENZIDINE	200 U	187 U	193 UR	195 U	193 U	213 U	189 U	200 U	218 U
3-NITROANILINE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4,6-DINITRO-2-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-BROMOPHENYL PHENYL ETHER	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
4-CHLORO-3-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-CHLOROANILINE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-CHLOROPHENYL PHENYL ETHER	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
4-NITROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	787 U	738 U	761 UR	767 U	760 U	840 U	747 U	786 U	860 U
BENZOIC ACID	42.3 B	52.3 B	136 J	134 J	50.8 B	56.1 B	55.7 B	67.3 B	69.8 B
BENZYL ALCOHOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
BIS(2-CHLOROETHOXY)METHANE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
BIS(2-CHLOROETHYL)ETHER	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
BIS(2-ETHYLHEXYL)PHTHALATE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
BUTYL BENZYL PHTHALATE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
DIBENZOFURAN	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
DIETHYL PHTHALATE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
DIMETHYL PHTHALATE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
DI-N-BUTYL PHTHALATE	47 B	51 B	193 U	195 U	36 B	39 B	189 U	200 U	34 B
DI-N-OCTYL PHTHALATE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
HEXACHLOROBENZENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
HEXACHLOROBUTADIENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
HEXACHLOROCYCLOPENTADIENE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
HEXACHLOROETHANE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
ISOPHORONE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
NITROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
N-NITROSODIMETHYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
N-NITROSO-DI-N-PROPYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
N-NITROSODIPHENYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
PENTACHLOROPHENOL	986 U	926 U	955 U	961 U	953 U	1050 U	936 U	986 U	1080 U
PHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
PYRIDINE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	82.2 U	77.1 U	79.6 U	80.1 U	79.4 U	87.7 U	78 U	82.2 U	89.9 U
2-METHYLNAPHTHALENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHYLENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ANTHRACENE	82 U	77 U	130	80 U	38 J	88 U	38 J	82 U	90 U
BAP EQUIVALENT-HALFND	82 U	77 U	1814	296	500	144	355	82 U	109
BAP EQUIVALENT-POS	82 U	77 U	1814	256	500	100	355	82 U	55
BENZO(A)ANTHRACENE	82 U	77 U	1130	165	297	69 J	245	82 U	38 J
BENZO(A)PYRENE	82 U	77 U	1410	211	370	82 J	249	82 U	51 J
BENZO(B)FLUORANTHENE	82 U	77 U	1270 J	191	275	56 J	169	82 U	90 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	82 U	77 U	372	66 J	182	69 J	148	82 U	48 J
BENZO(K)FLUORANTHENE	82 U	77 U	1610	221	330	67 J	235	82 U	50 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	82 U	77 U	1390	197	384	85 J	306	82 U	48 J
DIBENZO(A,H)ANTHRACENE	82 U	77 U	108	80 U	53 J	88 U	49 J	82 U	90 U
FLUORANTHENE	82 U	77 U	1470	205	486	105	424	82 U	49 J
FLUORENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
INDENO(1,2,3-CD)PYRENE	82 U	77 U	387	69 J	162	50 J	134	82 U	90 U
NAPHTHALENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
PHENANTHRENE	82 U	77 U	433	51 J	111	88 U	191	82 U	90 U
PYRENE	82 U	77 U	1900	319	639	121	521	82 U	55 J
TOTAL PAHS	0 U	0 U	11610	1695	3327	704	2709	0 U	339
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1221	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1232	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1242	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1248	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1254	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1260	38 U	37 U	8.1 J	14 J	37 U	43 U	36 U	39 U	43 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	8.1	14	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.2 UL	0.4 L	0.3 U	0.3 U	0.3 UL	0.3 L	0.3 UL	0.3 UL	0.3 UL
ARSENIC	5	1 B	4	5	2 B	1 B	5	5	5 B
BARIUM	3	3	21	25	18	21	29	33	35
BERYLLIUM	0.5	0.2	0.8	0.7	0.6	0.6	0.6	1.8	3.9
CADMIUM	0.1 B	0.08 B	0.2 B	0.2 B	0.2 B	0.1 B	0.2 B	0.3 B	0.7 B
CHROMIUM	8.9	6.9	27.9	29.1	16.2	12.5	12.2	32.1	40
COBALT	5.3	2.8	9.3	13.4	4	2.9	68.1	14	11 B
COPPER	8	4	25	18	10	9	11	13	25
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	2	1 B	9	11	5	4	8	12	18
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01	0.02	0.009	0.008	0.008	0.009	0.007	0.007	0.03
MOLYBDENUM	0.3 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
NICKEL	5	3	17	13	8	5	9	25	49
SELENIUM	1	1 U	2 U	2 U	3	2 U	2 U	2 U	11 U
SILVER	0.03 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.3 U
THALLIUM	0.6 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
VANADIUM	18.7	13.9	68.1	72.7	32.5	20.1	25.1	46.3	52.6
ZINC	21	8	16	12	16	9	21	43	145
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
DIESEL RANGE ORGANICS	5100 J	1900 J	92300	37700	55700	33800	50200	840 J	12300
GASOLINE RANGE ORGANICS	10300 U	8200 U	11200 U	10700 U	10600 U	12600 U	10800 U	11800 U	12800 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	0.35 U	0.35 U	NA	NA	NA	0.4 U	0.4 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	5.7	7	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	1.93 U	2.17 U	2.32 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	3.86 U	4.34 U	4.64 U	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	96.6 U	109 U	116 U	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	7.73 U	8.68 U	8.24 J	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	1.9 UR	2.2 UR	2.3 UR	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	7.73 U	8.68 U	9.28 U	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	1.93 U	2.17 U	2.32 U	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	7.7 U	8.7 U	9.3 U	NA	NA	NA	NA	NA	NA
ACETONE	12 J	8.9 J	38.4 J	NA	NA	NA	NA	NA	NA
BENZENE	1.93 U	2.17 U	2.32 U	121 U	101 U	113 U	114 U	108 U	119 U
BROMOBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOFORM	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	1.9 U	1.2 J	2 J	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROFORM	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1.9 U	2.2 U	2.3 U	121 U	101 U	113 U	114 U	108 U	119 U
FLUORODICHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
M+P-XYLENES	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	1.9 U	10.3	2.3 U	362 U	303 U	339 U	342 U	323 U	357 U
N-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
O-XYLENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
STYRENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	8 U	6 J	9 U	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TOLUENE	1.2 J	4.2	1.1 J	121 U	101 U	113 U	114 U	108 U	119 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	5.8 U	6.5 U	7 U	362 U	303 U	339 U	342 U	323 U	357 U
TRANS-1,2-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1.9 U	1.5 J	0.82 J	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
VINYL ACETATE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
VINYL CHLORIDE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	398 U	383 U	402 U	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	602 U	580 U	609 U	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2-NITROANILINE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	807 U	778 U	816 U	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
3-NITROANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	807 U	778 U	816 U	NA	NA	NA	NA	NA	NA
BENZOIC ACID	54.7 B	64.8 B	70.8 B	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	205 U	51 J	207 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	120 U	34 J	122 U	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	205 U	197 U	36 B	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
ISOPHORONE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
NITROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1010 U	975 U	1020 U	NA	NA	NA	NA	NA	NA
PHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
PYRIDINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	84.3 U	75.7 J	85.2 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 U	48 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	84 U	45 J	85 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	84 U	315	85 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	84 U	918	98	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	84 U	918	0.021	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	84 U	838	85 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	84 U	671	85 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	84 U	610	85 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	84 U	191	85 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	84 U	682	85 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	84 U	965	21 J	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	84 U	1640	37 J	NA	NA	NA	NA	NA	NA
FLUORENE	84 U	200	85 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	84 U	198	85 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	84 U	2310	23 J	NA	NA	NA	NA	NA	NA
PYRENE	84 U	1950	85 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	10813	81	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.3 UL	0.3 UL	0.7 L	NA	NA	NA	NA	NA	NA
ARSENIC	6	3 B	2 B	NA	NA	NA	NA	NA	NA
BARIUM	24	16	20	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.5	0.6	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	0.4	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA
CHROMIUM	35.7	16.3	21.7	NA	NA	NA	NA	NA	NA
COBALT	7.6	5.6	12.1	NA	NA	NA	NA	NA	NA
COPPER	47	11	13	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	11	5	4	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.009	0.01	0.01	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.6 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA
NICKEL	35	7	22	NA	NA	NA	NA	NA	NA
SELENIUM	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
SILVER	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA
THALLIUM	1 U	1 U	0.9 U	NA	NA	NA	NA	NA	NA
VANADIUM	59	36.7	38.1	NA	NA	NA	NA	NA	NA
ZINC	86	15	20	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
DIESEL RANGE ORGANICS	5300 J	105000	17500	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	11900 U	11200 U	11400 U	12100 U	10100 U	11300 U	11400 U	176000	11900 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	0.4 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BAP EQUIVALENT-POS	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	10 J	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	0 U	0 U	0 U	0 U	0 U	820	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91.2	90.2	84.5	83.9	84.5	84.7	82	84.2	83.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BAP EQUIVALENT-POS	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	16 J	1.6 U	27 J	43 J	1.6 U	1.6 U	160 J	15 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	16	0 U	27	43	0 U	0 U	160	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	68.6	81.7	83.7	85.5	82	81.3	88.2	86.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	9.5 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	9.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	79.3	82.1	87.8	85.4	84.5	81.9	80.5	79.6	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32 J	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	32	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	82.5	87.8	85.7	83.4	80.5	91.3	91.4	86.3	85.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	84.4	89.4	85.7	89.1
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BAP EQUIVALENT-POS	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.4 U	1.5 U	1.6 U	10 J	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91.7	92.8	88.3	83.6	84.4	83.3	84.6	83	91.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BAP EQUIVALENT-POS	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	61 J	1.5 U	18 J	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	61	0 U	18	0 U	0 U	0 U	4000	1600
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90.2	86.7	86.7	87.9	85.8	91.3	82.6	90.6	91
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	19	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	19 J	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.5	84.1	92.1	89.6	86.3	84.1	84.1	90.1	83.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	960	0 U	0 U	0 U	0 U	35	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	78.5	93.3	81.7	85.8	83.6	88	87.6	87.6	86.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.4 U	1.4 U	1.5 U	17	1.4 U	8.9	14	93
BAP EQUIVALENT-POS	1.4 U	1.4 U	1.4 U	1.5 U	17	1.4 U	8.9	14	93
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.4 U	1.4 U	1.5 U	17 J	1.4 U	8.9 J	14 J	93 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	17	0 U	8.9	14	93
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	94.5	92.1	90.2	86.9	92.1	93	85.3	83.1	90.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17	1.4 U
BAP EQUIVALENT-POS	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	8.3 J	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17 J	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.3	0 U	0 U	0 U	0 U	0 U	0 U	17	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.2	86.1	73	89.2	92.5	85.6	85.6	94.7	94.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BAP EQUIVALENT-POS	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93.7	87.4	86.5	86.5	82.6	83	86.9	85	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	17	9.2	18	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	17	9.2	18	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	17 J	9.2 J	18 J	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	17	9.2	18	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	82.9	87.5	90.6	88	86.2	88.6	84.8	83.6	80.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	87.7	84.9	89.9	83.3	86.2	77.9	81.2	79.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,1-TRICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2-TRICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,4-TRIMETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DIBROMOETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3,5-TRIMETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-BUTANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
2-CHLOROETHYL VINYL ETHER	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-CHLOROTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-HEXANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
4-CHLOROTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
4-ISOPROPYLTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
4-METHYL-2-PENTANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
ACETONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
BENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOCHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMODICHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOFORM	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CARBON DISULFIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CARBON TETRACHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLORODIBROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROFORM	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CIS-1,2-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CIS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DIBROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DICHLORODIFLUOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 U	6 UJ	990 J	61 UJ	6 UL	6 UL	6 UL
M+P-XYLENES	11 UJ	12 U	12 UJ	110 UJ	120 UJ	11 UL	11 UL	11 UL
METHYL TERT-BUTYL ETHER	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
METHYLENE CHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	8 J	10 J	10 J
NAPHTHALENE	6 UJ	6 U	6 UJ	620 J	160 J	6 UL	6 UL	6 UL
N-BUTYLBENZENE	6 UJ	6 U	6 UJ	850 J	61 UJ	6 UL	6 UL	6 UL
N-PROPYLBENZENE	6 UJ	6 U	6 UJ	2200 J	61 UJ	6 UL	6 UL	6 UL
O-XYLENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
SEC-BUTYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
STYRENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRICHLOROFLUOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
VINYL ACETATE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
VINYL CHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4,5-TRICHLOROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2,4,6-TRICHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DICHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DIMETHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DINITROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2,4-DINITROTOLUENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,6-DINITROTOLUENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-CHLORONAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-CHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2-NITROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3&4-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3,3'-DICHLOROBENZIDINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
4,6-DINITRO-2-METHYLPHENOL	890 U	920 U	920 U	940 U	950 U	880 UJ	890 UJ	880 UJ
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLORO-3-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLOROANILINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
4-NITROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
ACETOPHENONE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BUTYL BENZYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
CAPROLACTAM	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
CARBAZOLE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIBENZOFURAN	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIETHYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIMETHYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DI-N-BUTYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DI-N-OCTYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROBENZENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROBUTADIENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROETHANE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ISOPHORONE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
NITROBENZENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
N-NITROSODIPHENYLAMINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PENTACHLOROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
PHENOL	1900	1300	400 U	410 U	410 U	1000 J	1100 J	1600 J
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ACENAPHTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ACENAPHTHYLENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BAP EQUIVALENT-HALFND	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U
BAP EQUIVALENT-POS	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U
BENZO(A)ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(A)PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(G,H,I)PERYLENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIBENZO(A,H)ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
FLUORANTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
FLUORENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
INDENO(1,2,3-CD)PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
NAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PHENANTHRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
4,4'-DDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
4,4'-DDT	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALPHA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALPHA-CHLORDANE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
AROCLOR-1016	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1221	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1232	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1242	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1248	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1254	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1260	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
BETA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
DELTA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
DIELDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN I	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN II	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN SULFATE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN ALDEHYDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN KETONE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
GAMMA-CHLORDANE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
HEPTACHLOR	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
METHOXYCHLOR	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	610 U	570 UJ	1100 UJ	560 UJ
METALS (MG/KG)								
ANTIMONY	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 UL	2.6 UL	2.8 UL
ARSENIC	2.5	1.2	1.9	3.4	2.2	0.53 U	0.7	0.61
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	3.2	2.6 U	2.8 U
CADMIUM	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 U	2.6 U	2.8 U
CHROMIUM	9.9	7.6	7.6	19	28	9.3	18	31
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	13	7	5.7	13	19	13	30	9.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.7	4.6	9.9	4.5	11	4.1 J	9.5 J	5.8 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	7.3	3.4 L	9.8	2.9 U	23	46 J	20 J	15 J
SELENIUM	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	2.6 UL	2.6 UL	2.8 UL
SILVER	2.7 UL	2.6 UL	2.6 UL	2.9 UL	2.8 UL	2.6 UR	2.6 UR	2.8 UR
THALLIUM	2.2 U	2.1 U	2.1 UL	2.3 UL	2.3 U	2.1 U	2.1 U	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	27 UL	26 UL	27 K	29 U	61	93	62	34
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
DIESEL RANGE ORGANICS	12000 U	12000 U	12000 U	12000 U	12000 U	12000 UJ	12000 UJ	11000 UJ
GASOLINE RANGE ORGANICS	120 U	120 U	120 U	520000	240000	120 UJ	120 UJ	110 UJ
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-BUTANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-HEXANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
ACETONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
BENZENE	1 U	1 U	7	1 U	6 UL	6 UL	NA	NA
BROMOBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOFORM	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROFORM	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	100	1 U	6 UL	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
M+P-XYLENES	NA	NA	NA	NA	12 UL	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	6 UL	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
NAPHTHALENE	1 U	270	170	1 U	6 UL	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
O-XYLENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
STYRENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TOLUENE	1 U	4	1 U	1 U	6 UL	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	600	160	1 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
VINYL ACETATE	NA	NA	NA	NA	6 UL	6 UL	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	390 U	400 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	390 U	400 U	NA	NA
3-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	890 U	910 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
ACETOPHENONE	NA	NA	NA	NA	390 U	400 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	390 U	400 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	390 U	400 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
CAPROLACTAM	NA	NA	NA	NA	390 U	400 U	NA	NA
CARBAZOLE	NA	NA	NA	NA	390 U	400 U	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	390 U	400 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	390 U	400 U	NA	NA
ISOPHORONE	NA	NA	NA	NA	390 U	400 U	NA	NA
NITROBENZENE	NA	NA	NA	NA	390 U	400 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	390 U	400 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	390 U	400 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
PHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	390 U	462	1.6 U	1.6 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	390 U	0.06	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	390 U	400 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	390 U	60 J	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	390 U	48 J	NA	NA
FLUORENE	NA	NA	NA	NA	390 U	400 U	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	390 U	400 U	NA	NA
NAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
PHENANTHRENE	NA	NA	NA	NA	390 U	400 U	NA	NA
PYRENE	NA	NA	NA	NA	390 U	78 J	NA	NA
TOTAL PAHS	NA	NA	NA	NA	0 U	186	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	23 U	23 U	NA	NA
4,4'-DDE	NA	NA	NA	NA	23 U	23 U	NA	NA
4,4'-DDT	NA	NA	NA	NA	23 U	23 U	NA	NA
ALDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ALPHA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	23 U	23 U	NA	NA
AROCLOR-1016	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1221	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1232	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1242	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1248	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1254	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1260	NA	NA	NA	NA	290 U	290 U	NA	NA
BETA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
DELTA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
DIELDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	23 U	23 U	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	23 U	23 U	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	23 U	23 U	NA	NA
HEPTACHLOR	NA	NA	NA	NA	23 U	23 U	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	23 U	23 U	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	23 U	23 U	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	570 U	580 U	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	2.8 UL	3 UL	NA	NA
ARSENIC	NA	NA	NA	NA	2.4	1.4	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
CADMIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
CHROMIUM	NA	NA	NA	NA	20 J	26 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	17 J	12 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	3.3 K	5.7 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.11 U	0.12 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	5.9 K	10 K	NA	NA
SELENIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
SILVER	NA	NA	NA	NA	2.8 UR	3 UR	NA	NA
THALLIUM	NA	NA	NA	NA	2.2 U	2.4 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	28 UL	30 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
DIESEL RANGE ORGANICS	12000 U	13000	12000 U	12000 U	12000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	120 U	120 U	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	83.1	82.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	72	31	900	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.7 U	72	31	900	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	72 J	31 J	900 J	1.5 UJ	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	31	900	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	75.8	87.8	88.6	77.8	85.2	84.9	86.4	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32 J	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	32	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	85.6	91.5	89.2	85.3	83	85.9	87	79.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	79	89.2	86.6	83.1	81.1	89.3	88.6	89.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	28	1.5 U	1.5 U	1.5 U	1.5 U	21	1.4 U
BAP EQUIVALENT-POS	1.6 U	28	1.5 U	1.5 U	1.5 U	1.5 U	21	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	28 J	1.5 U	1.5 U	1.5 U	1.5 U	21 J	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	28	0 U	0 U	0 U	0 U	21	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	83.4	87.6	87.5	85.3	85.2	87.5	90	89.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	85	82.1	86.5	83.4	84	78.6	87.2	82.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28	640
BAP EQUIVALENT-POS	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28	640
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	22 J	38 J	1.5 U	1.5 U	28 J	640
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	22	38	0 U	0 U	28	640
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	79.5	84.4	91.8	87.2	86.4	84.9	84.7	72.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	83.8	81.5	79.9	82	81.4	80.1	86.5	85.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	310
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.5	83.2	85	79.1	89.4	90.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID				G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE				20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	5	10	6	7	7	7	8
BOTTOM DEPTH				3	4	5	10	6	7	7	7	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		10	1.5 U	51	21	424	57	45	33	1.6 U
BAP EQUIVALENT-POS	22	15	C	9.1	1.5 U	50	20	424	56	44	33	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	31	14	250	37 J	29	21 J	1.2 U
BENZO(A)PYRENE	22	15	C	9.1	1.5 U	40	16	280	45 J	35.5	26 J	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	1.4 U	38	15	340	45 J	36	27 J	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	24	13	110	20 J	16	12 J	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	7.6	1.1 U	42	18	260	42	34.5	27	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	66	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	26	9.8	180	26	21.5	17	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		16.7	0 U	201	85.8	1486	215	172.5	130	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID				G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE				20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	6	6	6	7	3	4	5	6
BOTTOM DEPTH				9	6	6	6	7	3	4	5	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		319	24	36	49	1.6 U	34	635	88	471
BAP EQUIVALENT-POS	22	15	C	319	23	36	48	1.6 U	33	635	88	471
BENZO(A)ANTHRACENE	220	150	C	190	17 J	24.5	32 J	1.1 U	24	340	46	310
BENZO(A)PYRENE	22	15	C	230	18 J	28.5	39 J	1.6 U	26	410	60	330
BENZO(B)FLUORANTHENE	220	150	C	240	19 J	27.5	36 J	1.4 U	28	490	66	350
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	7.8 J	13.4	19 J	2 U	12	180	23	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	230	19 J	27.5	36 J	1.1 U	27	400	51	290
DIBENZO(A,H)ANTHRACENE	22	15	C	33	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	110	12	53
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	120	12 J	17.5	23 J	1.8 U	19	300	43	200
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1153	92.8	138.9	185	0 U	136	2230	301	1713
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID				G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE				20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	8	9	6	7	3	4	5	5
BOTTOM DEPTH				7	8	9	6	7	3	4	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	14	13	42	1.5 U	106	1.7
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	13	12	41	1.5 U	106	0.0092
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	1.2 U	12	10	25	1.1 U	49	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	9.1	8.4	33	1.5 U	76	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	1.5 U	11	8.2	38	1.4 U	76	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2.1 U	2.1 U	2 U	2 U	16	2 U	35	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	11	11	28	1 U	65	9.2
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	13	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	18	17	20	1.7 U	43	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	61.1	54.6	160	0 U	357	9.2
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID				G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE				20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	6	3	4	7	8	5	6
BOTTOM DEPTH				5	5	6	3	4	7	8	5	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.2	1.5 U	1.5 U	1.5 U	1.5 U	80	11	24	23
BAP EQUIVALENT-POS	22	15	C	0.0092	1.5 U	1.5 U	1.5 U	1.5 U	80	9	23	23
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	51	1.1 U	16	15
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	47	1.5 U	17	17
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	54	58	18	17
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	2 U	29	15	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	4.875	1.1 U	1.1 U	1 U	1.1 U	61	23	16	15
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	19	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	34	34	24	23
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.6	0 U	0 U	0 U	0 U	295	130	91	87
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID				G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE				20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	9	3	4	3	5	6	7	8
BOTTOM DEPTH				10	9	3	4	3	5	6	7	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		78	142	34	13	18	5209	3.9	1.7 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	78	142	33	12	17	5209	2.1	1.7 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	33	61	18	10	14	3400	21	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	45	88	27	10	14	3500	1.6 U	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	46	93	27	14	15	4200	1.5 U	1.5 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	14	36	12	2 U	2 U	1500	2.2 U	2.2 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	41	71	20	9.3	17	4000	23	1.2 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	21	32	1.5 U	1.5 U	1.5 U	700	1.6 U	1.7 U	1.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	64	17	1.7 U	1.8 U	2300	1.9 U	1.9 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		240	445	121	43.3	60	19600	44	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID				G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE				20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	9	9	3	5	7	3	5	7
BOTTOM DEPTH				9	9	9	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	30	98	34
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	29	98	33
BENZO(A)ANTHRACENE	220	150	C	1 U	1.05 U	1.1 U	1 U	1900	1 U	1.1 U	54	11
BENZO(A)PYRENE	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	2400	1.4 U	24	78	29
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	1.35 U	1.4 U	1.3 U	2900	1.3 U	29	85	31
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	1.95 U	2 U	1.8 U	1000	1.8 U	1.9 U	27	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	0.99 U	0.995 U	1 U	0.97 U	2600	0.98 U	1 U	66	11
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	600	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.6 U	1700	1.6 U	22	55	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	13100	0 U	75	365	82
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID				G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE				20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5	3	5	3	5
BOTTOM DEPTH				3	5	7	3	5	3	5	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	49	1.5 U	68	67	7.8	10059	2.8	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	48	1.5 U	67	66	6.2	10059	1.1	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	17	1.1 U	62	49	19	8000	11	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	39	1.5 U	51	53	1.5 U	6800	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	44	1.4 U	66	51	43	7500	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	10	2 U	28	23	1.9 U	3100	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	20	1.1 U	74	57	19	8000	9.2	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1300	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	31	1.8 U	30	28	1.7 U	3700	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	161	0 U	311	261	81	38400	20.2	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID				G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE				20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	6	7	8	9	4	6	8
BOTTOM DEPTH				3	5	6	7	8	9	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		9.8	437	175	2.6	1.6 U	1.5 U	32	66	1.6 U
BAP EQUIVALENT-POS	22	15	C	8.9	437	174	0.85	1.6 U	1.5 U	31	65	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	200	100	1.2 U	1.1 U	1.1 U	1.1 U	29	1.2 U
BENZO(A)PYRENE	22	15	C	8	310	140	1.6 U	1.6 U	1.5 U	26	53	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	9.1	330	150	8.5	1.4 U	1.4 U	28	55	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	130	75	2.1 U	2 U	2 U	2 U	13	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	260	110	1.1 U	1.1 U	1.1 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	51	1.7 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	210	86	1.9 U	1.8 U	1.8 U	23	38	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		17.1	1491	661	8.5	0 U	0 U	77	222	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID				G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE				20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	8	4	6	8	3	5	5	5
BOTTOM DEPTH				8	8	4	6	8	3	5	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.55 U	1.5 U	22	22	17	35	1207	1073	940
BAP EQUIVALENT-POS	22	15	C	1.55 U	1.5 U	21	21	16	35	1207	1073	939
BENZO(A)ANTHRACENE	220	150	C	1.15 U	1.1 U	19	19	18	12	900	835	770
BENZO(A)PYRENE	22	15	C	1.55 U	1.5 U	16	15	11	28	810	775	740
BENZO(B)FLUORANTHENE	220	150	C	1.45 U	1.4 U	34	34	29	32	850	815	780
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.05 U	2 U	2 U	2 U	1.9 U	2 U	390	340	290
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.05 U	1 U	17	18	15	11	850	765	680
DIBENZO(A,H)ANTHRACENE	22	15	C	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	170 J	85.775	3.1 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.75 U	1.7 U	1.8 U	9.4	1.7 U	22	470	435	400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	86	95.4	73	105	4440	4050	3660
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID				G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE				20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	5	5	7	9	3
BOTTOM DEPTH				7	9	3	5	5	5	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		214	5922	21	1434	818	203	14	655	44
BAP EQUIVALENT-POS	22	15	C	214	5922	20	1431	817	203	14	655	43
BENZO(A)ANTHRACENE	220	150	C	110	4000	18	1400 J	770	140 J	12	440	32
BENZO(A)PYRENE	22	15	C	140	4000	14	1100 J	620	140 J	10	460	32
BENZO(B)FLUORANTHENE	220	150	C	140	4100	33	1200 J	675	150 J	23	480	54
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	59	1800	1.9 U	860 J	469	78 J	2 U	220	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	130	4300	18	1200 J	675	150 J	11	520	37
DIBENZO(A,H)ANTHRACENE	22	15	C	39	840	1.5 U	5.9 U	13.975	25	1.5 U	72	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	97	2500	8.1	610 J	346	82 J	1.8 U	280	21
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		715	21540	91.1	6370	3567.5	765	56	2472	189
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID				G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE				20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	32	692
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	31	692
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	320	1.1 U	46	20	430
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	370	1.5 U	50	23	480
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	410	1.4 U	55	43	500
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.9 U	1.9 U	170	2 U	21	16	280
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1 U	1 U	1 U	430	1 U	50	26	550
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	89	1.5 U	1.6 U	1.5 U	86
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	1.7 U	1.7 U	240	1.7 U	32	14	300
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	2029	0 U	254	142	2626
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID				G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE				20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**22**	**415**	8.6	4.1	1.5 U	**1657**	1.5 U	1.5 U	**24**
BAP EQUIVALENT-POS	22	15	C	**21**	**415**	7.0	2.4	1.5 U	**1655**	1.5 U	1.5 U	**23**
BENZO(A)ANTHRACENE	220	150	C	14	**200**	31	1.1 U	1.1 U	**1300**	1.1 U	1.1 U	19
BENZO(A)PYRENE	22	15	C	**17**	**280**	1.5 U	1.5 U	1.5 U	**1300**	1.5 U	1.5 U	**18**
BENZO(B)FLUORANTHENE	220	150	C	15	**300**	39	24	1.4 U	**1400**	1.4 U	1.4 U	31 J
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	9.8	110	2 U	2 U	2 U	750	2 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	19	270	23	1.1 U	1 U	1600	1 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**71**	1.5 U	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	11	130	1.7 U	1.8 U	1.7 U	**760**	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		85.8	1361	93	24	0 U	7110	0 U	0 U	86
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-659D	SB-659D	SB-659D
SAMPLE ID				G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE				20091029	20091029	20091029
SAMPLE CODE				AVG	DUP	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				7	7	9
BOTTOM DEPTH				7	7	9
VOLATILES (UG/KG)						
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
BENZOIC ACID	NC	24000000	N	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**20**	**17**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**19**	**16**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	18	17	1.1 U
BENZO(A)PYRENE	22	15	C	**16**	14	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	15.85	1.4 UJ	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	16	14	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		65.5	45	0 U
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A
SAMPLE ID				G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3
SAMPLE DATE				20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	10	6	7	8	9	3
BOTTOM DEPTH				6	7	10	6	7	8	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	139	855	233	2.9	4214	60
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	139	855	233	1.1	4214	59
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	93	570	160	1.2 U	2900	39
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	97	590	160	1.6 U	3000	45
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	110	630	170	11	3200	70
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	42	260	68	2.1 U	1100	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	100	640	180	11	3400	47
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	16	110	30	1.6 U	440	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	52	320	91	1.8 U	1500	28
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	510	3120	859	22	15540	254
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662A	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B
SAMPLE ID				G-SB-662A-5	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D
SAMPLE DATE				20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	7	7
BOTTOM DEPTH				5	7	9	3	5	7	7	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		51	22	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	50	21	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	37	14	360	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	38	16	490	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	59	36	560	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	2 U	210	2 U	2 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	38	16	430	1 U	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	84	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	25	1.8 U	330	1.7 U	1.7 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		212	82	2464	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662B	SB-662C	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663
SAMPLE ID				G-SB-662B-9	G-SB-662C-3	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D
SAMPLE DATE				20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	6	6	6
BOTTOM DEPTH				9	3	5	7	9	6	6	6
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		3172	6069	19	1.7	2268	1.6 U	1.55 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	3172	6069	19	0.0085	2268	1.6 U	1.55 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	2000	4400	1.1 U	1.1 U	1700	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	2200	4100	14	1.5 U	1500	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	2500	5000	37	1.4 U	1800	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	970	2400	2 U	2 U	670	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2200	4500	16	8.5	1900	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380	740	1.5 U	1.5 U	310	1.6 U	1.55 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1300	2600	9.5	1.8 U	990	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		11550	23740	76.5	8.5	8870	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-663	SB-664	SB-664	SB-665	SB-665	SB-666	SB-666	SB-667
SAMPLE ID			G-SB-663-7	G-SB-664-6	G-SB-664-7	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6
SAMPLE DATE			20091001	20091001	20091001	20091002	20091002	20091002	20091002	20091002
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	6	7	6	7	6	7	6
BOTTOM DEPTH			7	6	7	6	7	6	7	6
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.1 U	2.1 U	2.3 U	2.2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-667	SB-668	SB-668	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID				G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7
SAMPLE DATE				20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	6	7	3	4	5	6	7
BOTTOM DEPTH				7	6	7	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.6 U	1.7 U	246	121	15223	439	859
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.6 U	1.7 U	246	121	15223	439	859
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	180	71	6600	220	390 J
BENZO(A)PYRENE	22	15	C	1.7 U	1.6 U	1.7 U	170	79	10000	310	620 J
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	210	94	11000	280	500 J
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.1 U	2.2 U	76	39	4600	140	290 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	160	72	6700	300	470 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.6 U	1.7 U	27	20	2700	59	110 J
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.9 U	92	51	7100	180	370 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	915	426	48700	1489	2750
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-671	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671B	SB-671B
SAMPLE ID				G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7
SAMPLE DATE				20091019	20091019	20091019	20091019	20091029	20091111	20091111	20091111
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	8	9	10	3	5	7
BOTTOM DEPTH				7	7	8	9	10	3	5	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**430**	1.6 U	**127**	**1986**	1.6 U	**190**	**18**	1.7 U
BAP EQUIVALENT-POS	22	15	C	**430**	1.6 U	**127**	**1986**	1.6 U	**190**	**17**	1.7 U
BENZO(A)ANTHRACENE	220	150	C	**195.3**	1.2 UJ	71	**1100**	1.2 U	120	12	1.2 U
BENZO(A)PYRENE	22	15	C	**310.4**	1.6 UJ	**92**	**1400**	1.6 U	**120**	12	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	**250.375**	1.5 UJ	78	**1300**	1.5 UJ	**160**	14	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	145.525	2.1 UJ	42	770	2.1 U	62	2.1 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	235.275	1.1 UJ	75	1300	1.1 U	130	11	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**55.4**	1.6 UJ	14	**250**	1.6 U	**34**	1.6 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**185.475**	1.9 UJ	52	**870**	1.9 U	69	23	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1375	0 U	424	6990	0 U	695	72	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C	SB-671D
SAMPLE ID				G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D	G-SB-671C-9	G-SB-671D-3
SAMPLE DATE				20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	7	7	9	3
BOTTOM DEPTH				9	3	5	7	7	7	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	24	36	1.5 U	1.55 U	1.6 U	1.6 U	114
BAP EQUIVALENT-POS	22	15	C	1.7 U	23	35	1.5 U	1.55 U	1.6 U	1.6 U	114
BENZO(A)ANTHRACENE	220	150	C	1.2 U	10	25	1.1 U	1.1 U	1.1 U	1.2 U	96
BENZO(A)PYRENE	22	15	C	1.7 U	18	25	1.5 U	1.55 U	1.6 U	1.6 U	67
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	17	44	1.4 U	1.4 U	1.4 U	1.5 U	88
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	8.8	12	2 U	2 U	2 U	2.1 U	39
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	12	36	1.1 U	1.1 U	1.1 U	1.1 U	83
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	2 U	26	30	1.8 U	1.8 U	1.8 U	1.9 U	47
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	91.8	172	0 U	0 U	0 U	0 U	443
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674	SB-675
SAMPLE ID				G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7	G-SB-675-6
SAMPLE DATE				20091111	20091111	20091111	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	6	7	6	7	6
BOTTOM DEPTH				5	7	9	6	7	6	7	6
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	4.8	**16**	1.5 U	1.5 U	4.0	**27**	**127**
BAP EQUIVALENT-POS	22	15	C	1.6 U	3.0	**15**	1.5 U	1.5 U	2.3	**26**	**127**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	8.7	1.1 U	1.1 U	12	23	100
BENZO(A)PYRENE	22	15	C	1.6 U	1.7 U	11	1.5 U	1.5 U	1.6 U	**19**	**73**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	8.8	12	1.4 U	1.4 U	11	21	93
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.2 U	2.1 U	2 U	2 U	2.1 U	9.7	32
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	8.7	1.1 U	1.1 U	11	25	100
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	**28**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	21	23	1.8 U	1.8 U	1.9 U	23	58
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	29.8	63.4	0 U	0 U	34	120.7	484
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID				G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE				20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	6	7	3	4	5	6	7
BOTTOM DEPTH				7	6	7	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**16**	1.5 U	1.6 U	**46**	**40**	**1811**	**21**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**15**	1.5 U	1.6 U	**45**	**40**	**1811**	**20**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	16	1.1 U	1.2 U	34	36	**1500**	13	1.1 U
BENZO(A)PYRENE	22	15	C	12	1.5 U	1.6 U	**35**	**30**	**1300**	**16**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	16	1.4 U	1.5 U	42	41	**1300**	15	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	22	17	540	12	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	14	1.1 U	1.1 U	36	40	1500	17	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	**160**	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	19	18	**640**	11	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		58	0 U	0 U	188	182	6940	84	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B
SAMPLE ID				G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5
SAMPLE DATE				20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	9	3	5
BOTTOM DEPTH				8	9	3	5	7	9	3	5
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	40	269	4.2	21	44	119
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	39	269	2.5	20	43	119
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	26	190	1.1 U	16	28	78
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	31	180	1.5 U	15	32	94
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	54	210	25	37	54	100
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	17	84	1.9 U	2 U	24	60
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	32	230	1 U	19	34	87
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	38	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	100	1.7 U	1.8 U	23	62
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	160	1032	25	87	195	481
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-677B	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D
SAMPLE ID				G-SB-677B-7	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9
SAMPLE DATE				20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	9	9	3	5	7	9
BOTTOM DEPTH				7	9	9	9	3	5	7	9
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	203	327	452	12	4746	78	38
BAP EQUIVALENT-POS	22	15	C	1.5 U	202	327	452	12	4746	78	37
BENZO(A)ANTHRACENE	220	150	C	1.1 U	140 J	205	270 J	8.6	3100	25	14
BENZO(A)PYRENE	22	15	C	1.5 U	160 J	235	310 J	8	3200	44	30
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	180 J	255	330 J	27	3700	46	31
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	74 J	107	140 J	1.9 U	1300	16	7.7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	160 J	235	310 J	8.7	3200	25	17
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 UJ	31.4	62 J	1.5 U	650	23	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	91 J	135.5	180 J	1.7 U	2000	38	25
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	805	1203.5	1602	52.3	17150	217	124.7
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678
SAMPLE ID				G-SB-678-3	G-SB-678-4	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D
SAMPLE DATE				20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	5	6	7	8	8	8
BOTTOM DEPTH				3	4	5	6	7	8	8	8
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(5)	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		36	103	1905	106	379	1.5 U	17	34
BAP EQUIVALENT-POS	22	15	C	36	103	1905	105	379	1.5 U	17	33
BENZO(A)ANTHRACENE	220	150	C	24	63	1100	52	200	1.1 UJ	11.275	22 J
BENZO(A)PYRENE	22	15	C	28	72	1300	86	260	1.5 UJ	13.875	27 J
BENZO(B)FLUORANTHENE	220	150	C	33	83	1600	86	270	1.4 UJ	10.85	21 J
BENZO(G,H,I)PERYLENE	230000	170000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	12	37	470	47	110	2 UJ	8.5	16 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	31	79	1200	65	240	1.1 UJ	13.275	26 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	12	250	1.5 U	53	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	18	44	790	51	180	1.8 UJ	8.95	17 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		146	390	6710	387	1313	0 U	64.5	129
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220	C(8)	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000	N(9)	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3	N(11)	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N(12)	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-678	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C
SAMPLE ID				G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3
SAMPLE DATE				20091020	20091111	20091111	20091111	20091111	20091111	20091111	20091030
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	3	3	5	7	9	3
BOTTOM DEPTH				9	3	3	3	5	7	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.5	22	18	14	140	1.5 U	946	1.5 U
BAP EQUIVALENT-POS	22	15	C	0.84	22	17	13	140	1.5 U	946	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	12	6.275	1.1 U	59	1.1 U	580	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	16	12.85	9.7	88	1.5 U	640	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	8.4	21	16	11	100	1.4 U	870	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	1.95 U	2 U	28	2 U	230	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	13	6.75	1 U	73	1 U	700	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	29	1.5 U	120	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	24	22	20	64	1.7 U	380	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.4	86	63.35	40.7	441	0 U	3520	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-678C	SB-678C	SB-678C	SB-679	SB-679	SB-679	SB-679	SB-679
SAMPLE ID				G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7
SAMPLE DATE				20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	4	5	6	7
BOTTOM DEPTH				5	7	9	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	71	12	222	36	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	27	71	11	222	35	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	10	44	1.1 U	94	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	21	58	9.8	160	30	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	26	40	8.1	160	31	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	2.1 U	65	1.9 U	66	13	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	11	53	7.9	110	14	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	27	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	23	35	1.7 U	89	21	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	91	295	25.8	706	109	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-679	SB-679	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C
SAMPLE ID				G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D
SAMPLE DATE				20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	9	9	9
BOTTOM DEPTH				8	9	3	5	7	9	9	9
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	111	56	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	111	56	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	23 J	11.775	1.1 UJ
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	68 J	34.4	1.6 UJ
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	77 J	38.85	1.4 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	2 U	13	7	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	1 U	1.1 U	33 J	16.775	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	28 J	14.4	1.6 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	52 J	26.45	1.8 UJ
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	294	147	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID				G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE				20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				3	5	7	9
BOTTOM DEPTH				3	5	7	9
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	**17**	1.5 U	**20**
BAP EQUIVALENT-POS	22	15	C	1.5 U	**16**	1.5 U	**20**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	**16**	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	17
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	16	0 U	52
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1260	320	220	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D	SB-680D	SB-681
SAMPLE ID			G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7	G-SB-680D-9	G-SB-681-5
SAMPLE DATE			20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102	20091102	20090924
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	5	6	7	8	9	3	7	9	5
BOTTOM DEPTH			3	4	5	6	7	8	9	3	7	9	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	24	799	1112	24698	604	1.5 U	1.5 U	76	2081	10	83
BAP EQUIVALENT-POS	22	15 C	23	799	1112	24698	604	1.5 U	1.5 U	76	2080	9.4	82
BENZO(A)ANTHRACENE	220	150 C	18	530	740	15000	420	1.1 U	1.1 U	47	950	1.1 U	99
BENZO(A)PYRENE	22	15 C	18	550	760	17000	430	1.5 U	1.5 U	48	1700	8.4	60
BENZO(B)FLUORANTHENE	220	150 C	18	690	900	18000	450	1.4 U	1.4 U	67	1800	10	83
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	11	330	400	8100	210	2 U	2 U	26	620	2 U	42
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	21	590	840	17000	390	1 U	1.1 U	57	1300	1 U	80
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	93	140	3300	61	1.5 U	1.5 U	13	3.3 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	11	300	430	10000	240	1.7 U	1.8 U	35	970	1.7 U	35
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	97	3083	4210	88400	2201	0 U	0 U	293	7340	18.4	399
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684	SB-684	SB-684	SB-685	SB-685
SAMPLE ID			G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4
SAMPLE DATE			20090924	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20091001	20091001
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	5	6	5	6	5	5	5	6	3	4
BOTTOM DEPTH			6	5	6	5	6	5	5	5	6	3	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	24	149	1.6 U	2.8	58	114	1.5 U	11	48
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	23	149	1.6 U	1.1	57	114	1.5 U	10	47
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	21	76	1.1 U	11 J	50	89 J	1.1 U	1.1 U	40
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	16	92	1.6 U	1.5 UJ	32.375	64 J	1.5 U	9.1	36
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.3 U	26	120	1.4 U	1.4 UJ	55.35	110 J	1.4 U	9.5	43
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	9	50	2 U	2 UJ	16	31 J	2 U	1.9 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	1 U	20	100	1.1 U	1 UJ	39.75	79 J	1.1 U	11	41
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.5 U	31	1.6 U	1.5 UJ	12.875	25 J	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.7 U	20	59	1.8 U	1.7 UJ	22.925	45 J	1.8 U	1.7 U	23
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	112	528	0 U	11	227	443	0 U	29.6	201
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-685	SB-685	SB-686	SB-686	SB-687	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690
SAMPLE ID			G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7
SAMPLE DATE			20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930	20090930	20090930
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	3	4	3	4	3	4	7	8	7
BOTTOM DEPTH			4	4	3	4	3	4	3	4	7	8	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	44	40	1.4 U	1.5 U	10	16	13	1.6 U	1.5 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15 C	43	39	1.4 U	1.5 U	9.2	15	12	1.6 U	1.5 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150 C	36	32	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	33	30	1.4 U	1.5 U	7.9	13	11	1.6 U	1.5 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150 C	39	35	1.3 U	1.4 U	13	13	1.4 U	1.5 U	1.4 U	1.4 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	19.5	21	1.9 U	1.9 U	2 U	2 U	1.9 U	2.1 U	2 U	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	42.5	44	0.99 U	1 U	9.2	13	8.7	1.1 U	1.1 U	1.1 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	21	19	1.7 U	1.7 U	1.8 U	7.8	8.5	1.8 U	1.8 U	1.8 U	2 UJ
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	191	181	0 U	0 U	30.1	46.8	28.2	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-690	SB-690	SB-690	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693
SAMPLE ID			G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8
SAMPLE DATE			20090930	20090930	20090930	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	8	7	8	7	8	5	6	7	8
BOTTOM DEPTH			7	7	8	7	8	7	8	5	6	7	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	6.4	12	1.5 U	3.43555	1.6 U	1.5 U	1.5 U	4469	21	2.7	1.6 U
BAP EQUIVALENT-POS	22	15 C	6.0	11	1.5 U	1.7	1.6 U	1.5 U	1.5 U	4469	20	0.93	1.6 U
BENZO(A)ANTHRACENE	220	150 C	4.4	8.2	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3000	16	1.2 U	1.2 U
BENZO(A)PYRENE	22	15 C	4.325	7.8	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	3100	16	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	4.6	8.4	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3400	17	9.2	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.05 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1600	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	3300	14	9.4	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	540	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	9	17 J	1.7 U	17	1.8 U	1.7 U	1.8 U	1700	8.2	1.9 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	20.7	41.4	0 U	17	0 U	0 U	0 U	16640	71.2	18.6	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-693	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D	SB-693D
SAMPLE ID			G-SB-693-9	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8	G-SB-693D-8-AVG
SAMPLE DATE			20091001	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	4	6	8	4	6	8	4	6	8	8
BOTTOM DEPTH			9	4	6	8	4	6	8	4	6	8	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.7	55	386	242	77	23	14	15	780	65	354
BAP EQUIVALENT-POS	22	15 C	0.91	54	386	242	77	23	13	15	780	65	354
BENZO(A)ANTHRACENE	220	150 C	9	42	250	160	48	14	9.5	13	570	44 J	247
BENZO(A)PYRENE	22	15 C	1.6 U	42	270	170	52	18	11	12	550	44 J	242
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	49	280	170	61	18	12	12	610	49 J	254.5
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	18	150	100	25	10	2.1 U	2 U	270	20 J	120
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	11	57	290	190	64	21	13	16	640	51 J	305.5
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	45	28	10	1.6 U	1.6 U	1.5 U	78	8.5 J	45.75
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	27	160	97	36	13	1.9 U	1.7 U	310	28 J	149
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	20	235	1445	915	296	94	45.5	53	3028	244.5	1363.75
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696	SB-696	SB-696	SB-697	SB-697
SAMPLE ID			G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5	G-SB-696-6	G-SB-697-10	G-SB-697-9
SAMPLE DATE			20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930	20090930
SAMPLE CODE			DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	5	6	5	5	5	6	5	6	10	9	9
BOTTOM DEPTH			8	5	6	5	5	5	6	5	6	10	9	9
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	644	20	1.6 U	50	44	39	25	43	126	1.6 U	1.5 U	
BAP EQUIVALENT-POS	22	15 C	644	19	1.6 U	49	43	38	24	42	126	1.6 U	1.5 U	
BENZO(A)ANTHRACENE	220	150 C	450 J	11	1.1 U	41	35	29	18	24	55	1.2 U	1.1 U	
BENZO(A)PYRENE	22	15 C	440 J	14	1.6 U	38	33.5	29	19	34	89	1.6 U	1.5 U	
BENZO(B)FLUORANTHENE	220	150 C	460 J	15	1.4 U	41	35	29	20	35	94	1.5 U	1.4 U	
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	220 J	2.1 U	2 U	17	14.5	12	9.5	15	38	2.1 U	2 U	
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	560 J	16	1.1 U	43	36.5	30	20	28	77	1.1 U	1.1 U	
DIBENZO(A,H)ANTHRACENE	22	15 C	83 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	16	1.6 U	1.5 U	
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	270 J	21	1.8 U	25	27.5	30	11	22	57	1.8 U	1.8 U	
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	2483	77	0 U	205	182	159	97.5	158	426	0 U	0 U	
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-698	SB-698	SB-699	SB-699	SB-700	SB-700	SB-701	SB-701	SB-702	SB-702	SB-703
SAMPLE ID			G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7
SAMPLE DATE			20090930	20090930	20090929	20090929	20090929	20090929	20090929	20090929	20091007	20091007	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	9	3	4	3	4	3	4	3	4	7
BOTTOM DEPTH			10	9	3	4	3	4	3	4	3	4	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	18	2.5	136	14	17	33	67	65	1.5 U	3.1	1.6 U
BAP EQUIVALENT-POS	22	15 C	17	0.84	136	13	16	32	67	65	1.5 U	1.3	1.6 U
BENZO(A)ANTHRACENE	220	150 C	12	1.1 U	92	12	7.9	13	25	27	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15 C	12	1.5 U	96	11	14	26	48	45	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	18	8.4	100	12	13	31	45	47	1.4 U	13	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	44	2 U	1.9 U	8.1	21	21	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	14	1 U	99	9.9	1 U	18	35	35	1.1 U	8.7	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	14	1.5 U	1.5 U	1.5 U	8.9	9.1	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	20	1.7 U	59	1.8 U	1.7 U	18	31	30	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	76	8.4	504	44.9	34.9	114.1	213.9	214.1	0 U	21.7	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-703	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705
SAMPLE ID			G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4
SAMPLE DATE			20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	10	3	4	5	6	7	8	9	3	4
BOTTOM DEPTH			8	10	3	4	5	6	7	8	9	3	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID			G-SB-706-10	G-SB-706-3	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE			20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	3	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH			10	3	4	5	6	6	6	7	8	9	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	**20**	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	**19**	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	14	1.1 U	1.1 U	1.1 U	1.15 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.6 U	14	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	17	1.4 U	1.4 U	1.4 U	1.45 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	7.9	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	16	1 U	1 U	1 U	1.05 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	20	1.7 U	1.7 U	1.7 U	1.75 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	88.9	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID			G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE			20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	3	4	5	6	7	3	4
BOTTOM DEPTH			4	3	4	5	6	7	3	4
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	548	2823	91	1.6 U	1.5 U	51	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	548	2823	90	1.6 U	1.5 U	50	1.6 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	420	1900	56	1.2 U	1.1 U	44	1.2 U
BENZO(A)PYRENE	22	15 C	1.5 U	370	2000	70	1.6 U	1.5 U	38	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	490	2500	95	1.5 U	1.4 U	47	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	190	1100	40	2.1 U	2 U	23	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	410	2100	58	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	64	270	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	210	1000	44	1.9 U	1.8 U	25	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	2154	10870	363	0 U	0 U	219	0 U
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714	SB-714	SB-714
SAMPLE ID			G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3	G-SB-714-4	G-SB-714-5
SAMPLE DATE			20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008	20091008	20091008
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	4	4	3	4	3	4	3	4	5
BOTTOM DEPTH			3	4	4	4	3	4	3	4	3	4	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	24	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820	2492	4583
BAP EQUIVALENT-POS	22	15 C	23	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820	2492	4583
BENZO(A)ANTHRACENE	220	150 C	19	1.2 U	1.2 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	460	1600	3300
BENZO(A)PYRENE	22	15 C	18	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	540	1600	3000
BENZO(B)FLUORANTHENE	220	150 C	23	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	740	2600	4300
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	10	2.1 U	2.1 U	2.1 U	1.9 U	2 U	2 U	2 U	7.6 U	39 U	61 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	20	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U	1 U	540	1800	3100
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	120	360	630
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	9.8	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	390	1100	1900
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	99.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2790	9060	16230
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716	SB-716	SB-716	SB-716	SB-716
SAMPLE ID			G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7
SAMPLE DATE			20091008	20091008	20091008	20091008	20090923	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	6	6	7	3	4	10	3	5	6	7
BOTTOM DEPTH			6	6	6	7	3	4	10	3	5	6	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	53040	27129	1218	2404	48	23	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	53040	27129	1218	2404	48	22	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	43000 J	21855	710 J	2100	46	22	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	35000 J	17895	790 J	1600	35	16	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	51000 J	26100	1200 J	2400	55	27	1.4 U	1.5 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	71 U	36.4 U	1.8 U	4.2 U	22	14	2 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	40000 J	20355	710 J	2000	46	22	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	6500 J	3340	180 J	260	1.4 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	21000 J	10780	560 J	920	22	9.2	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	196500	100325	4150	9280	226	110.2	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-716	SB-716	SB-717	SB-717	SB-718	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720
SAMPLE ID				G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5
SAMPLE DATE				20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090922	20091008	20091008	20091008
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	4	3	4	3	4	3	4	5
BOTTOM DEPTH				8	9	3	4	3	4	3	4	3	4	5
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	2381	177	10
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	2381	177	9.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1000	80	7 J
BENZO(A)PYRENE	22	15	C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1600	120	6.9 J
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.6 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	2100	160	11
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.2 U	2 U	2.1 U	2 U	1.9 U	2 U	2 U	15 U	3.4 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.2 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1100	82	5.9 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	350	25	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.9 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1200	84	5.8 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	7350	551	36.6
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-720	SB-720	SB-721	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723
SAMPLE ID				G-SB-720-6	G-SB-720-7	G-SB-721-3	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG
SAMPLE DATE				20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	3	4	5	6	7	3	4	3	3
BOTTOM DEPTH				6	7	3	4	5	6	7	3	4	3	3
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.3 U	2.6	4.9	637	2.2 U	2.2 U	2.3 U	8.2	142	1.6 U	1.7
BAP EQUIVALENT-POS	22	15	C	2.3 U	0.45	4.0	637	2.2 U	2.2 U	2.3 U	6.7	142	1.6 U	0.94
BENZO(A)ANTHRACENE	220	150	C	1.3 U	2 J	3.5 J	360	1.3 U	1.2 U	1.3 U	28	99	1.2 U	1.15 U
BENZO(A)PYRENE	22	15	C	2.3 U	2.4 U	2.6 J	410	2.2 U	2.2 U	2.3 U	1.4 U	110	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	220	150	C	1.7 U	2.5 J	7 J	640	1.6 U	1.6 U	1.7 U	39	140	1.5 U	5.075
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.7 U	1.8 U	1.7 U	6.3 U	1.7 U	1.6 U	1.7 U	1.9 U	60	2.1 U	2.05 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.5 U	1.8 J	7.7 J	400	1.4 U	1.4 U	1.4 U	28	91	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.8 U	1.9 U	1.8 U	95	1.7 U	1.7 U	1.8 U	1.4 U	1.5 U	1.6 U	1.55 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	0.46 U	0.46 U	3.2 J	320	0.44 U	0.43 U	0.45 U	1.7 U	70	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	6.3	24	2225	0 U	0 U	0 U	95	570	0 U	4.7
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	1200	1090
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-723	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726	SB-726
SAMPLE ID				G-SB-723-3-D	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3	G-SB-726-4
SAMPLE DATE				20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	6	7	3	4	10	3	4
BOTTOM DEPTH				3	4	3	4	6	7	3	4	10	3	4
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.6	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263	1041
BAP EQUIVALENT-POS	22	15	C	0.94	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263	1041
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	2100	570	32	1.1 U	1.1 U	1.1 U	1.3 U	2700	650
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	2100	570	35	1.6 U	1.5 U	1.5 U	2.2 U	2800	700
BENZO(B)FLUORANTHENE	220	150	C	9.4	1.5 U	2500	660	48	1.4 U	1.4 U	1.4 U	1.6 U	4300	1000
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	1300	320	19	2 U	1.9 U	2 U	1.6 U	60 U	15 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1800	590	39	1.1 U	1 U	1.1 U	1.4 U	2700	700
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	420	110	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	550	120
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1300	370	24	1.8 U	1.7 U	1.8 U	0.43 U	2100	550
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		9.4	0 U	11520	3190	197	0 U	0 U	0 U	0 U	15150	3720
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		980	550	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727	SB-727	SB-727	SB-728
SAMPLE ID			G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5	G-SB-727-6	G-SB-727-7	G-SB-728-3
SAMPLE DATE			20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924	20090924	20090924	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	6	7	8	9	3	4	5	6	7	3
BOTTOM DEPTH			5	6	7	8	9	3	4	5	6	7	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.4	2.2 U	2.4 U	2.2 U	4.6	578	29	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	0.30	2.2 U	2.4 U	2.2 U	3.7	578	28	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.4 J	1.2 U	1.4 U	1.3 U	2.7 J	360	18	1.1 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	2.3 U	2.2 U	2.4 U	2.2 U	2.7 J	400	22	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.8 U	1.6 U	4.4 J	450	28	1.4 U	1.5 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.7 U	1.6 U	1.8 U	1.6 U	1.7 U	230	9	2 U	2.1 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 J	1.4 U	1.5 U	1.4 U	2.8 J	400	23	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.8 U	1.7 U	1.9 U	1.7 U	1.8 U	73	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.6 J	0.43 U	0.48 U	0.43 U	2.4 J	210	17	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	4.4	0 U	0 U	0 U	15	2123	117	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180000
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729	SB-729	SB-729	SB-729	SB-730	SB-730
SAMPLE ID			G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5
SAMPLE DATE			20090923	20090923	20090923	20090923	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	5	6	7	3	4	5	6	7	4	5
BOTTOM DEPTH			4	5	6	7	3	4	5	6	7	4	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	NA	NA	NA	963	60	3.4	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	NA	NA	NA	963	59	1.7	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	NA	NA	NA	670	28	8.5	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	NA	NA	NA	650	46	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	NA	NA	NA	850	65	8.9	1.4 U	1.4 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	NA	NA	NA	370	20	2.1 U	2 U	2 U	2.1 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	NA	NA	NA	690	45	1.1 U	1.1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	NA	NA	NA	120	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	NA	NA	NA	370	37	1.9 U	1.8 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	NA	NA	NA	3720	241	17.4	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	980000	780000	440000	82000	NA	NA	NA	NA	NA	NA	110000
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-731	SB-731	SB-732	SB-732	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734
SAMPLE ID				G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7
SAMPLE DATE				20090923	20090923	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090923	20090923
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	5	6	7	3	4	6	7
BOTTOM DEPTH				3	4	3	4	5	6	7	3	4	6	7
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.6 U	761	66	2.2 U	5.0	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.6 U	761	66	2.2 U	4.1	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	400	22	1.3 U	3.8 J	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.4 U	1.6 U	490	43	2.2 U	3.2 J	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	1.5 U	680	57	1.6 U	3.5 J	1.6 U	1.5 U	1.5 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2.1 U	30 U	1.4 U	1.6 U	1.6 U	1.6 U	2.1 U	2.1 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	500	25	1.4 U	2.9 J	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	1.6 U	120 J	10	1.7 U	1.7 U	1.7 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.9 U	420	49	0.43 U	1.9 J	0.43 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	2610	206	0 U	15.3	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	150000	920
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-735	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID				G-SB-735-3	G-SB-735-5	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE				20091021	20091021	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH				3	5	5	5	7	9	3	5	9	3	5
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		211	3808	8463	13119	3534	265	2795	57089	131	30	19
BAP EQUIVALENT-POS	22	15	C	211	3808	8463	13119	3534	265	2792	57089	130	29	18
BENZO(A)ANTHRACENE	220	150	C	170	3000 J	7000	11000 J	2700	200	3000	44000	110	26	1.1 U
BENZO(A)PYRENE	22	15	C	140	2600 J	5850	9100 J	2400	180	2100	37000	99	22	15
BENZO(B)FLUORANTHENE	220	150	C	170	3400 J	6700	10000 J	3500	240	2800	55000	140	28	20
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	99	1500 J	2750	4000 J	1100	100	1300	25000	49	12	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	150	2800 J	5800	8800 J	2600	200	2600	39000	130	24	13
DIBENZO(A,H)ANTHRACENE	22	15	C	28	410 J	905	1400 J	370	30	7.7 U	7800	1.5 U	1.4 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	82	1400 J	3050	4700 J	1300	100	960	21000	54	14	9.8
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		839	15110	32055	49000	13970	1050	12760	228800	582	126	57.8
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B	SB-736B	SB-736B
SAMPLE ID			G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3	G-SB-736B-5	G-SB-736B-7
SAMPLE DATE			20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112	20091112	20091112
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	7	9	3	5	7	3	3	5	7
BOTTOM DEPTH			7	7	7	9	3	5	7	3	3	5	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	9.4	12	15	**16**	**19**	**74**	**71**	**8497**	**1319**	**319**	9.4
BAP EQUIVALENT-POS	22	15 C	8.4	11	14	15	**18**	**67**	**70**	**8497**	**1319**	**318**	8.4
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	13	17	8 U	45	**10000**	**1100**	**310**	1.1 U
BENZO(A)PYRENE	22	15 C	8.4	10.2	12	12	14	**58**	**54**	**5600**	**910**	**240**	8.4
BENZO(B)FLUORANTHENE	220	150 C	1.5 UJ	9.875	19 J	15	19	90	67	**8800**	**1200**	**340**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	14 U	32	**2900**	480	150	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	9.1	4.825	1.1 U	16	19	71	49	7800	1000	300	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11 U	1.6 U	**730**	**130**	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	13 U	42	**2500**	**430**	110	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	17.5	24.25	31	56	69	219	289	38330	5250	1450	8.4
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737	SB-737	SB-738	SB-738	SB-738
SAMPLE ID			G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8
SAMPLE DATE			20091112	20091112	20091112	20091112	20091112	20091021	20091021	20091021	20091008	20091008	20091008
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	3	5	7	9	3	5	7	4	6	8
BOTTOM DEPTH			9	3	5	7	9	3	5	7	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	68	192	1.5 U	27	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	68	191	1.5 U	27	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	44	140	1.1 U	20	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	22	15 C	1.6 U	53	150	1.5 U	21	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	65	180	1.4 U	21	1.4 U	1.4 U	1.4 U	1.5 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	27	81	2 U	2 U	2 U	2 U	2 U	1.6 U	1.7 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	60	170	1.1 U	19	1.1 U	1.1 U	1.1 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	34	82	1.8 U	15	1.8 U	1.8 U	1.8 U	0.41 U	0.45 U	0.44 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	283	803	0 U	96	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-739	SB-739	SB-739
SAMPLE ID			G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE			20091008	20091008	20091008
SAMPLE CODE			NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB
TOP DEPTH			4	6	8
BOTTOM DEPTH			4	6	8
VOLATILES (UG/KG)					
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA
SEMIVOLATILES (UG/KG)					
BENZOIC ACID	NC	24000000 N	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.2 U	2.3 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.2 U	2.3 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.2 U	2.3 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.6 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA
CHRYSENE	22000	15000 C	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.8 U
FLUORANTHENE	310000	230000 N	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.42 U	0.44 U	0.44 U
NAPHTHALENE	160000	3600 C	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)					
AROCLOR-1260	320	220 C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	3.1	3.1 N	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA
COPPER	310	310 N	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA
LEAD	400	400	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA
SILVER	39	39 N	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NC	NC	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH	NC	NC	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742	SB-743	SB-743
SAMPLE ID			G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8	G-SB-743-4	G-SB-743-6
SAMPLE DATE			20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH			4	6	8	4	6	8	4	6	8	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.2 U	2.1 U	2.2 U	2.9	2.2 U	11	4.4	2.2 U	2.2 U	2.2 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.2 U	2.1 U	2.2 U	0.87	2.2 U	11	3.5	2.2 U	2.2 U	2.2 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	1.2 U	2.2 J	1.3 U	6.3 J	2.5 J	1.3 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.2 U	2.1 U	2.2 U	2.3 U	2.2 U	8.5	2.8 J	2.2 U	2.2 U	2.2 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.5 U	1.6 U	5 J	1.6 U	6.9 J	4.4 J	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	6 J	1.6 U	1.6 U	1.6 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 U	1.3 U	1.3 U	1.3 U	3.1 J	1.4 U	7.8 J	2.8 J	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.43 U	0.42 U	0.42 U	0.42 U	1.5 J	0.44 U	6.7 J	0.43 U	0.44 U	0.43 U	0.43 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	11.8	0 U	42.2	12.5	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745	SB-745	SB-745	SB-745A	SB-745B
SAMPLE ID			G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4
SAMPLE DATE			20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH			8	4	6	8	4	4	4	6	8	4	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	56	2.2 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	56	2.2 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150 C	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.25 U	1.2 U	38	1.2 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	37	2.2 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	60	1.6 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U	1.65 U	1.6 U	1.7 U	1.6 U	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	39	1.4 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.8 U	1.8 U	1.7 U	1.8 U	1.75 U	1.7 U	6.8 J	1.7 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.43 U	0.45 U	0.46 U	0.44 U	0.44 U	0.435 U	0.43 U	21	0.43 U	1.8 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	201.8	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-745C	SB-746	SB-746	SB-746	SB-747	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749
SAMPLE ID			G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4
SAMPLE DATE			20091021	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	6	8	4	6	8	4	6	8	4
BOTTOM DEPTH			4	4	6	8	4	6	8	4	6	8	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.5	2.2 U	2.2 U	1.4 U
BAP EQUIVALENT-POS	22	15 C	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	0.48	2.2 U	2.2 U	1.4 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	3.1 J	1.3 U	1.3 U	1 U
BENZO(A)PYRENE	22	15 C	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.4 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 J	1.6 U	1.6 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.2 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	8.5	1.4 U	1.4 U	0.99 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.4 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	0.42 U	0.43 U	0.43 U	0.41 U	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	13.2	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-749	SB-750	SB-750	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753
SAMPLE ID			G-SB-749-6	G-SB-750-4	G-SB-750-6	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6
SAMPLE DATE			20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	4	6	4	6	4	6	6	6	4	6
BOTTOM DEPTH			6	4	6	4	6	4	6	6	6	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	39	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	38	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	34	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	29	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	38	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	16	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	34	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	17	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	168	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	36 J	39 J	41 J	41 J	42.5	44 J	46 J	34 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-754	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757	SB-758
SAMPLE ID			G-SB-754-4	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6	G-SB-758-4
SAMPLE DATE			20091021	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE			NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	4	6	6	6	4	6	4	6	4
BOTTOM DEPTH			4	6	4	6	6	6	4	6	4	6	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.6 U	1.5 U	15	15	16 U	1.5 U	1.5 U	3674	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.6 U	1.5 U	14	14	16 U	1.5 U	1.5 U	3674	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.1 U	1.2 U	6.1 U	11 U	1.1 U	1.1 U	2400	1.2 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.6 U	1.6 U	1.5 U	11	11	16 U	1.5 U	1.5 U	2500	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	1.5 U	1.4 U	21	14	14 U	1.4 U	1.4 U	3500	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2.1 U	2 U	8.7	8.7	20 U	2 U	1.9 U	1100	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1.1 U	1.1 U	6.05 U	11 U	1 U	1 U	2500	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.5 U	1.7 U	8.85 U	16 U	1.5 U	1.5 U	430	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.8 U	9.4	9.4	18 U	1.7 U	1.7 U	1400	1.9 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	50.1	25.05	0 U	0 U	0 U	13830	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	5000	62 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761	SB-761	SB-761	SB-761
SAMPLE ID			G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3	G-SB-761-5	G-SB-761-7	G-SB-761-9
SAMPLE DATE			20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930	20090930	20090930	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
SUBMATRIX			6	3	5	7	3	5	7	3	5	7	9
TOP DEPTH			6	3	5	7	3	5	7	3	5	7	9
BOTTOM DEPTH													
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1915	1.7 U	13	1212	444	1.6 U	1.5 U	30	1.6 U	6993
BAP EQUIVALENT-POS	22	15 C	1.6 U	1915	1.7 U	12	1212	444	1.6 U	1.5 U	29	1.6 U	6993
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1100	1.3 U	10	890	270	1.1 U	1.1 U	31	1.1 U	5000
BENZO(A)PYRENE	22	15 C	1.6 U	1100	1.7 U	11	790	300	1.6 U	1.5 U	21	1.6 U	4900
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1500	1.6 U	1.5 U	910	410	1.4 U	1.4 U	26	1.4 U	6000
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	510	2.2 U	2.1 U	300	110	2 U	2 U	11	2 U	1700
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1000	1.2 U	9.5	920	300	1.1 U	1 U	26	1.1 U	5700
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	460	1.7 U	1.6 U	190	59	1.6 U	1.5 U	1.6 U	1.6 U	700
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	890	2 U	1.8 U	480	160	1.8 U	1.7 U	26	1.8 U	2700
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	6560	0 U	30.5	4480	1609	0 U	0 U	141	0 U	26700
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C
SAMPLE ID			G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH			3	5	7	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	23	3432	15	2640	78	102	127	59	27	1392	16
BAP EQUIVALENT-POS	22	15 C	22	3432	14	2640	78	102	126	59	26	1392	15
BENZO(A)ANTHRACENE	220	150 C	14	1800	9.9	1300	66 J	93	120 J	47	24	1200	16
BENZO(A)PYRENE	22	15 C	18	2500	12	1900	53 J	75.5	98 J	39	20	970	12
BENZO(B)FLUORANTHENE	220	150 C	18	2000	12	1900	55 J	75	95 J	37	22	1000	12
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	7.9	1000	2.1 U	810	28 J	43	58 J	22	8.3	490	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	18	2200	11	1700	73 J	101.5	130 J	55	27	1500	18
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	420	1.6 U	290	9.7	5.225	1.5 U	8.7	1.6 U	140	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	12	1200	1.8 U	1200	31 J	43.5	56 J	23	11	560	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	87.9	11120	44.9	9100	315.7	436.35	557	231.7	112.3	5860	58
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-761C	SB-761C	SB-761C	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762
SAMPLE ID			G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH			5	7	9	3	5	7	7	7	9	3	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	279	2.7	63	17	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355
BAP EQUIVALENT-POS	22	15 C	279	0.89	63	17	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355
BENZO(A)ANTHRACENE	220	150 C	240	8.8	55	14	320	1.1 U	1.1 U	1.1 U	23000	1.1 U	250
BENZO(A)PYRENE	22	15 C	190	1.6 U	42	13	260	1.6 U	1.55 U	1.5 U	20000	1.5 U	240
BENZO(B)FLUORANTHENE	220	150 C	210	1.5 U	46	13	270	1.4 U	1.4 U	1.4 U	19000	1.4 U	270
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	96	2.1 U	22	2 U	140	2 U	2 U	2 U	9800	2 U	110
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	250	9.1	61	15	370	1.1 U	1.1 U	1.1 U	29000	1 U	280
DIBENZO(A,H)ANTHRACENE	22	15 C	30	1.6 U	8.3	1.5 U	54	1.6 U	1.55 U	1.5 U	2800	1.5 U	47
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	130	1.8 U	26	8.6	150	1.8 U	1.8 U	1.8 U	10000	1.7 U	150
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	1146	17.9	260.3	63.6	1564	0 U	0 U	0 U	113600	0 U	1347
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID					G-SB-762-7	G-SB-762-9	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE					20091001	20091001	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH					7	9	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)															
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		**19**	**364**	1.7	14	11	**13512**	1.5 U	1.6 U	1.6 U	**129**	1.5 U
BAP EQUIVALENT-POS	22		15	C	**18**	**364**	0.0085	13	10	**13512**	1.5 U	1.6 U	1.6 U	**129**	1.5 U
BENZO(A)ANTHRACENE	220		150	C	14	**230**	1.1 U	11	9.3	**9900**	1.1 U	1.2 U	1.2 U	78	1.1 U
BENZO(A)PYRENE	22		15	C	14	**250**	1.5 U	11	8.6	**9100**	1.5 U	1.6 U	1.6 U	**91**	1.5 U
BENZO(B)FLUORANTHENE	220		150	C	15	**250**	1.4 U	10	8.3	**9900**	1.4 U	1.5 U	1.5 U	100	1.4 U
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	2.1 U	120	2 U	2 U	2.1 U	**4200**	2 U	2.1 U	2.1 U	47	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	16	260	8.5	11	9.6	10000	1.1 U	1.1 U	1.1 U	100	1 U
DIBENZO(A,H)ANTHRACENE	22		15	C	1.6 U	**49**	1.5 U	1.6 U	1.6 U	**1900**	1.5 U	1.6 U	1.6 U	14	1.5 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	9.3	**160**	1.7 U	1.8 U	1.9 U	**4800**	1.8 U	1.8 U	1.8 U	61	1.7 U
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		68.3	1319	8.5	43	35.8	49800	0 U	0 U	0 U	491	0 U
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID			G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	3	5	7	7	7	9
BOTTOM DEPTH			5	7	3	5	7	7	7	9
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	626	44	1.5 U	240	1.6 U	1.6 U	1.6 U	5047
BAP EQUIVALENT-POS	22	15 C	626	43	1.5 U	239	1.6 U	1.6 U	1.6 U	5047
BENZO(A)ANTHRACENE	220	150 C	520	41	1.1 U	150	1.2 U	1.2 U	1.2 U	2700
BENZO(A)PYRENE	22	15 C	440	33	1.5 U	190	1.6 U	1.6 U	1.6 U	3500
BENZO(B)FLUORANTHENE	220	150 C	460	38	1.4 U	220	1.5 U	1.5 U	1.5 U	3900
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	190	15	2 U	97	2.1 U	2.1 U	2.1 U	1400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	520	44	1 U	190	1.1 U	1.1 U	1.1 U	3400
DIBENZO(A,H)ANTHRACENE	22	15 C	65	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	670
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	210	19	1.7 U	110	1.8 U	1.8 U	1.8 U	2000
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	2405	190	0 U	957	0 U	0 U	0 U	17570
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID				G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE				20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	5	7	9	3	5	7
BOTTOM DEPTH				3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		16	9.7	3.3	97	22	4.2	1.7	12	1.6 U
BAP EQUIVALENT-POS	22	15	C	15	8.5	1.6	97	22	2.6	0.0079	11	1.6 U
BENZO(A)ANTHRACENE	220	150	C	11	5.8	1.2 U	63	16	8.5	1.1 U	9.6	1.2 U
BENZO(A)PYRENE	22	15	C	11	5.9	1.6 U	58	16	1.6 U	1.5 U	9.1	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	13	6.875	1.5 U	65	18	1.5 U	1.4 U	9.3	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.05 U	2.1 U	27	2.1 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13	6.775	1.1 U	69	19	1.1 U	7.9	8.9	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.55 U	1.6 U	21	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	17.5	16	44	22	17	1.7 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		67	41.5	16	347	91	25.5	7.9	36.9	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID				G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE				20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	3	5	7	9
BOTTOM DEPTH				9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1539	1.5 U	15495	1.7	270	17	9096	24	4608
BAP EQUIVALENT-POS	22	15	C	1539	1.5 U	15495	0.0078	270	16	9096	23	4599
BENZO(A)ANTHRACENE	220	150	C	950	1.1 U	9500	1.1 U	150	14	6500	21	4100
BENZO(A)PYRENE	22	15	C	1100	1.5 U	11000	1.5 U	200	13	6200	18	3600
BENZO(B)FLUORANTHENE	220	150	C	1100	1.4 U	10000	1.4 U	180	13	7500	20	3700
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	550	2 U	5400	2 U	130	2.1 U	2800	1.9 U	1500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1200	1.1 U	11000	7.8	190	16	8000	24	4300
DIBENZO(A,H)ANTHRACENE	22	15	C	170	1.5 U	1900	1.5 U	25	1.6 U	1100	1.5 U	17 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	570	1.8 U	5800	1.7 U	110	1.9 U	3600	9.4	2000
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5640	0 U	54600	7.8	985	56	35700	92.4	19200
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID				G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE				20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	7	7	9	3	5	5
BOTTOM DEPTH				3	5	7	7	7	9	3	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	**34**	1.6 U	1.6 U	1.6 U	2.8	**124**	**1396**	**1857**
BAP EQUIVALENT-POS	22	15	C	1.6 U	**33**	1.6 U	1.6 U	1.6 U	1.0	**124**	**1394**	**1856**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	29	1.2 U	1.2 U	1.2 U	9.9	110	**1100 J**	**1550**
BENZO(A)PYRENE	22	15	C	1.6 U	**24**	1.6 U	1.6 U	1.6 U	1.6 U	**94**	**1100**	**1450**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	41	1.5 U	1.5 U	1.5 U	1.5 U	130	**1200 J**	**1650**
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	13	2.1 U	2.1 U	2.1 U	2.1 U	50	510 J	755
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	29	1.1 U	1.1 U	1.1 U	8.3	110	1200 J	1650
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	3.1 U	3.55 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	17	1.8 U	1.8 U	1.8 U	1.9 U	50	**580**	**765**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	153	0 U	0 U	0 U	18.2	544	5690	7820
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID				G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE				20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2319	1.5 U	1301	1.6 U	44	1.5 U	2117	95	76
BAP EQUIVALENT-POS	22	15	C	2317	1.5 U	1300	1.6 U	44	1.5 U	2117	95	76
BENZO(A)ANTHRACENE	220	150	C	2000 J	1.1 U	1200	1.1 U	27	1.1 U	1700	48	34
BENZO(A)PYRENE	22	15	C	1800	1.5 U	1000	1.6 U	35	1.5 U	1500	52	40
BENZO(B)FLUORANTHENE	220	150	C	2100 J	1.4 U	1200	1.4 U	35	1.4 U	1700	75	54
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1000 J	1.9 U	630	2 U	19	1.9 U	740	24	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2100 J	1 U	1300	1.1 U	38	1 U	1800	54	41
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	1.5 U	3.2 U	1.6 U	1.5 U	1.5 U	200	26	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	950	1.7 U	520	1.8 U	22	1.7 U	680	48	39
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		9950	0 U	5850	0 U	176	0 U	8320	327	251
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID				G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE				20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	3	5	7	9	3	3	3
BOTTOM DEPTH				5	5	3	5	7	9	3	3	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		91	106	15	7060	225	16912	11	12	13
BAP EQUIVALENT-POS	22	15	C	91	106	14	7060	225	16912	10	11	12
BENZO(A)ANTHRACENE	220	150	C	44.5	55	12	5100	150	15000	9.4	9.4	9.4
BENZO(A)PYRENE	22	15	C	51	62	12	4600	150	12000	9.3	9.65	10
BENZO(B)FLUORANTHENE	220	150	C	62.5	71	11	4800	170	14000	1.6 U	4.7	8.6
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	26.5	33	2 U	2400	56	4600	2.2 U	2.15 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	54.5	68	14	6100	170	16000	13	12.5	12
DIBENZO(A,H)ANTHRACENE	22	15	C	24.5	26	1.5 U	1200	34	1300	1.7 U	1.65 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	44	49	1.7 U	2400	82	6500	2 U	1.95 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		307.5	364	49	26600	812	69400	31.7	35.85	40
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID				G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE				20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		21710	504	11763	1.6 U	406	1.5 U	67	105	327
BAP EQUIVALENT-POS	22	15	C	21710	504	11763	1.6 U	406	1.5 U	66	105	327
BENZO(A)ANTHRACENE	220	150	C	20000	410	9700	1.1 U	360	1.1 U	57	69	240
BENZO(A)PYRENE	22	15	C	15000	340	8100	1.6 U	270	1.5 U	52	83	210
BENZO(B)FLUORANTHENE	220	150	C	17000	370	9800	1.4 U	300	1.4 U	57	92	230
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	6800	180	3200	2 U	130	2 U	31	25	110
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	22000	480	11000	1.1 U	330	1.1 U	57	82	260
DIBENZO(A,H)ANTHRACENE	22	15	C	2100	65	1200	1.6 U	53	1.5 U	1.6 U	1.5 U	56
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8200	190	4700	1.8 U	150	1.8 U	25	52	130
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		91100	2035	47700	0 U	1593	0 U	279	403	1236
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID				G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE				20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	3	5	7	3	5
BOTTOM DEPTH				7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.5	**78**	**28**	**80**	**39**	**9950**	**39**	**30**	**3834**
BAP EQUIVALENT-POS	22	15	C	0.8	**78**	**27**	**79**	**38**	**9950**	**38**	**29**	**3834**
BENZO(A)ANTHRACENE	220	150	C	8	42	17	54	12	**7200**	12	8	**2400**
BENZO(A)PYRENE	22	15	C	1.5 U	**42**	**21**	**60**	**31**	**6500**	**31**	**28**	**2600**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	50	14	82	34	**7200**	31	1.4 U	**3000**
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	19	23	23	2.1 U	**3300**	8.1	2 U	1100
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	49	25	67	12	6800	18	1.1 U	2800
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**23**	1.6 U	1.6 U	1.6 U	**1600**	1.5 U	1.5 U	**530**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	37	28	51	24	**3700**	25	1.8 U	**1500**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8	262	128	337	113	36300	125.1	36	13930
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID				G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE				20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	9	3	5	7	9
BOTTOM DEPTH				7	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
ACENAPHTHENE	470000	340000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	37
ACENAPHTHYLENE	470000	340000	N [5]	NA	3.9 U	3.9 U	3.6 U	14	3.8 U	4.1 U	3.8 U	82
ANTHRACENE	2300000	1700000	N	NA	3.9 U	3.9 U	3.6 U	38 J	3.8 U	4.1 U	3.8 U	270
BAP EQUIVALENT-HALFND	22	15		513	3.9 U	34	3.6 U	144	3.8 U	29	3.8 U	1432
BAP EQUIVALENT-POS	22	15	C	513	3.9 U	31	3.6 U	142	3.8 U	26	3.8 U	1424
BENZO(A)ANTHRACENE	220	150	C	300	3.9 U	3.9 U	3.6 U	83	3.8 U	29	3.8 U	1300
BENZO(A)PYRENE	22	15	C	340	3.9 U	31 J	3.6 UJ	110 J	3.8 U	20	3.8 U	1100
BENZO(B)FLUORANTHENE	220	150	C	420	3.9 U	3.9 U	3.6 UJ	150 J	3.8 U	22	3.8 U	1200
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	3.9 U	3.9 U	21 J	100 J	3.8 U	17	3.8 U	860
BENZO(K)FLUORANTHENE	2200	1500	C	130	3.9 U	3.9 U	3.6 UJ	59 J	3.8 U	13	3.8 U	620
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	360	1.3 U	16	1.2 U	110	1.3 U	31	1.3 U	1600
DIBENZO(A,H)ANTHRACENE	22	15	C	76	3.9 U	3.9 U	3.6 UJ	4.2 U	3.8 U	4.1 U	3.8 U	16 U
FLUORANTHENE	310000	230000	N	NA	3.9 U	31 J	20 J	150 J	3.8 U	46	3.8 U	2500
FLUORENE	310000	230000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	230	3.9 U	3.9 U	3.6 UJ	80 J	3.8 U	12	3.8 U	660
NAPHTHALENE	160000	3600	C	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
PHENANTHRENE	2300000	170000	N [6]	NA	3.9 U	19 J	3.6 U	66 J	3.8 U	32	3.8 U	1500
PYRENE	230000	170000	N	NA	3.9 U	28	3.6 U	230	3.8 U	68	3.8 U	4100
TOTAL PAHS	NC	NC		1856	0 U	125	41	1190	0 U	290	0 U	15829
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID				G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE				20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	7	7	9	3
BOTTOM DEPTH				7	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	480	3.7 U
ACENAPHTHENE	470000	340000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	660 J	3.7 U
ACENAPHTHYLENE	470000	340000	N [5]	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	520	3.7 U
ANTHRACENE	2300000	1700000	N	4 U	9.8	4.2 U	9.1	3.8 U	3.95 U	4.1 U	1700 J	3.7 U
BAP EQUIVALENT-HALFND	22	15		4 U	60	4.2 U	67	3.8 U	3.95 U	4.1 U	15215	3.7 U
BAP EQUIVALENT-POS	22	15	C	4 U	58	4.2 U	65	3.8 U	3.95 U	4.1 U	15215	3.7 U
BENZO(A)ANTHRACENE	220	150	C	4 U	46	4.2 U	58	3.8 U	3.95 U	4.1 U	10000	3.7 U
BENZO(A)PYRENE	22	15	C	4 U	45	4.2 U	48	3.8 U	3.95 U	4.1 U	10000 J	3.7 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	50	4.2 U	68	3.8 U	3.95 U	4.1 U	14000 J	3.7 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	4 U	41	4.2 U	56	3.8 U	3.95 U	4.1 U	9200 J	3.7 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	27	4.2 U	30	3.8 U	3.95 U	4.1 U	5300 J	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		81 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	58	1.4 U	76	1.3 U	1.35 U	1.4 U	12000	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	2100 J	3.7 U
FLUORANTHENE	310000	230000	N	4 U	76	4.2 U	88	3.8 U	3.95 U	4.1 U	16000 J	3.7 U
FLUORENE	310000	230000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	30	4.2 U	40	3.8 U	3.95 U	4.1 U	6500 J	3.7 U
NAPHTHALENE	160000	3600	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	510	3.7 U
PHENANTHRENE	2300000	170000	N [6]	4 U	40	4.2 U	38	3.8 U	3.95 U	4.1 U	7600 J	3.7 U
PYRENE	230000	170000	N	4 U	120	4.2 U	140	3.8 U	3.95 U	4.1 U	30000	3.7 U
TOTAL PAHS	NC	NC		0 U	542.8	0 U	651.1	0 U	0 U	0 U	126570	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID				G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE				20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	5	7	9	3	5	7	9
BOTTOM DEPTH				3	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	7.6 U	3.7 U	37 U
2-METHYLNAPHTHALENE	31000	31000	N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	20	3.7 U	37 U
ACENAPHTHENE	470000	340000	N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	18	3.7 U	37 U
ACENAPHTHYLENE	470000	340000	N [5]	3.65 U	3.6 U	3.8 UL	3.9 U	22	3.7 U	77	3.7 U	80
ANTHRACENE	2300000	1700000	N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	180	3.7 U	380
BAP EQUIVALENT-HALFND	22	15		3.65 U	3.6 U	3.8 U	3.9 U	51	3.7 U	2009	3.7 U	8573
BAP EQUIVALENT-POS	22	15	C	3.65 U	3.6 U	3.8 U	3.9 U	49	3.7 U	2009	3.7 U	8573
BENZO(A)ANTHRACENE	220	150	C	3.65 U	3.6 U	3.8 UL	3.9 U	35	3.7 U	1200	3.7 U	4500
BENZO(A)PYRENE	22	15	C	3.65 U	3.6 U	3.8 UL	3.9 U	38	3.7 U	1300	3.7 U	6000
BENZO(B)FLUORANTHENE	220	150	C	3.65 U	3.6 U	3.8 UL	3.9 U	43	3.7 U	1200	3.7 U	5900
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	3.65 U	3.6 U	3.8 UL	3.9 U	33	3.7 U	1300	3.7 U	5900
BENZO(K)FLUORANTHENE	2200	1500	C	3.65 U	3.6 U	3.8 UL	3.9 U	16	3.7 U	710	3.7 U	2600
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	1.2 U	1.3 UL	1.3 U	41	1.2 U	1200	1.2 U	7000 J
DIBENZO(A,H)ANTHRACENE	22	15	C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	370	3.7 U	1100
FLUORANTHENE	310000	230000	N	3.65 U	3.6 U	3.8 UL	3.9 U	50	3.7 U	1200	3.7 U	5700
FLUORENE	310000	230000	N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	25	3.7 U	37 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.65 U	3.6 U	3.8 UL	3.9 U	25	3.7 U	910	3.7 U	4000
NAPHTHALENE	160000	3600	C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	22	3.7 U	37 U
PHENANTHRENE	2300000	170000	N [6]	3.65 U	3.6 U	3.8 UL	3.9 U	19	3.7 U	240	3.7 U	980
PYRENE	230000	170000	N	3.65 U	3.6 U	3.8 UL	3.9 U	81	3.7 U	2500	3.7 U	11000
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	403	0 U	12472	0 U	55140
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID				G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE				20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	5
BOTTOM DEPTH				3	5	7	9	3	5	7	9	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	36
ACENAPHTHYLENE	470000	340000	N[5]	3.9 U	3.9 U	3.9 U	7.9	4 U	18	3.6 U	4.2 U	96
ANTHRACENE	2300000	1700000	N	3.9 U	21 J	3.9 U	36 J	4 U	31	3.6 U	4.2 U	240
BAP EQUIVALENT-HALFND	22	15		3.9 U	71	3.9 U	179	5.4	248	11	18	1927
BAP EQUIVALENT-POS	22	15	C	3.9 U	69	3.9 U	177	1	246	8.4	15	1919
BENZO(A)ANTHRACENE	220	150	C	3.9 U	43 J	3.9 U	110	4 U	140	3.6 U	4.2 UJ	1500
BENZO(A)PYRENE	22	15	C	3.9 U	59 J	3.9 U	140 J	4 U	200	8.4	14	1500
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	52 J	3.9 U	170 J	10	200	3.6 U	13	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	3.9 U	3.9 UJ	3.9 U	100 J	4 U	160	3.6 U	4.2 U	1200
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 UJ	29 J	3.9 U	89 J	4 U	100	3.6 U	4.2 U	670
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	79 U	NA	NA	NA	74 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	47 J	1.3 U	150	1.3 U	190	8.5	1.4 UJ	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
FLUORANTHENE	310000	230000	N	3.9 U	71 J	3.9 U	170 J	8.4	220	9.7	4.2 U	2500
FLUORENE	310000	230000	N	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.9 UJ	3.9 U	82 J	4 U	110	3.6 U	4.2 U	910
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
PHENANTHRENE	2300000	170000	N[6]	3.9 U	39 J	3.9 UJ	77 J	4 U	42	3.6 U	4.2 U	1100
PYRENE	230000	170000	N	3.9 U	110 J	3.9 U	270	9.6	400	16	26 J	4200
TOTAL PAHS	NC	NC		0 U	471	0 U	1401.9	28	1811	42.6	53	17352
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID				G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE				20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	7	9	3	5	7	9	3
BOTTOM DEPTH				7	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	18	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	31	3.9 U
ACENAPHTHENE	470000	340000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
ACENAPHTHYLENE	470000	340000	N [5]	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	72	3.9 U
ANTHRACENE	2300000	1700000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	24 J	3.9 U	130	3.9 U
BAP EQUIVALENT-HALFND	22	15		4 U	3.95 U	3.9 U	57	3.8 U	66	3.9 U	780	3.9 U
BAP EQUIVALENT-POS	22	15	C	4 U	3.95 U	3.9 U	55	3.8 U	64	3.9 U	776	3.9 U
BENZO(A)ANTHRACENE	220	150	C	4 U	3.95 U	3.9 U	44	3.8 U	35	3.9 U	540	3.9 U
BENZO(A)PYRENE	22	15	C	4 U	3.95 U	3.9 U	43	3.8 U	55 J	3.9 U	610 J	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.95 U	3.9 U	43	3.8 U	48 J	3.9 U	700 J	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	4 U	3.95 U	3.9 U	41	3.8 U	4.1 U	3.9 U	570	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.95 U	3.9 U	21	3.8 U	29 J	3.9 U	270	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	79 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U	49	1.3 U	42	1.3 U	610	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
FLUORANTHENE	310000	230000	N	4 U	3.95 U	3.9 U	63	3.8 U	56 J	3.9 U	700 J	3.9 U
FLUORENE	310000	230000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.95 U	3.9 U	26	3.8 U	4.1 U	3.9 U	390 J	3.9 U
NAPHTHALENE	160000	3600	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	40	3.9 U
PHENANTHRENE	2300000	170000	N [6]	4 U	3.95 U	3.9 U	25	3.8 U	24 J	3.9 U	240	3.9 U
PYRENE	230000	170000	N	4 U	3.95 U	3.9 U	100	3.8 U	82	8.9 J	1200 J	3.9 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	455	0 U	395	8.9	6103	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-813	SB-813	SB-813
SAMPLE ID				G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE				20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				5	7	9
BOTTOM DEPTH				5	7	9
VOLATILES (UG/KG)						
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
BENZOIC ACID	NC	24000000	N	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.9 U	900
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.9 U	650
ACENAPHTHENE	470000	340000	N	4 U	3.9 U	1200 J
ACENAPHTHYLENE	470000	340000	N[5]	4 U	3.9 U	1000
ANTHRACENE	2300000	1700000	N	4 U	3.9 U	3500 J
BAP EQUIVALENT-HALFND	22	15		4 U	3.9 U	**10566**
BAP EQUIVALENT-POS	22	15	C	4 U	3.9 U	**10524**
BENZO(A)ANTHRACENE	220	150	C	4 U	3.9 U	**10000**
BENZO(A)PYRENE	22	15	C	4 U	3.9 U	**8100 J**
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.9 U	**9400 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	4 U	3.9 U	5700 J
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.9 U	**4300 J**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	79 U	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	11000
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.9 U	84 U
FLUORANTHENE	310000	230000	N	21 J	3.9 U	17000 J
FLUORENE	310000	230000	N	4 U	3.9 U	1800 J
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.9 U	**4300 J**
NAPHTHALENE	160000	3600	C	4 U	3.9 U	220
PHENANTHRENE	2300000	170000	N[6]	4 U	3.9 U	18000 J
PYRENE	230000	170000	N	11	3.9 U	31000
TOTAL PAHS	NC	NC		32	0 U	127170
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID				G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE				20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	2	2	5	5	6	5	5
BOTTOM DEPTH				8	8	3	3	7	7	7	6	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	NA	3.8 U	NA	4 U	NA	39	3.9 U	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	NA	3.8 U	NA	4 U	NA	64	3.9 U	NA
ACENAPHTHENE	470000	340000	N	4.1 U	NA	3.8 U	NA	4 U	NA	29	3.9 U	NA
ACENAPHTHYLENE	470000	340000	N[5]	8.6	NA	3.8 U	NA	4 U	NA	170	19	NA
ANTHRACENE	2300000	1700000	N	12	NA	3.8 U	NA	4 U	NA	320	34	NA
BAP EQUIVALENT-HALFND	22	15		64	NA	3.8 U	NA	37	NA	1610	155	NA
BAP EQUIVALENT-POS	22	15	C	62	NA	3.8 U	NA	35	NA	1610	153	NA
BENZO(A)ANTHRACENE	220	150	C	40	NA	3.8 U	NA	22	NA	1000	110	NA
BENZO(A)PYRENE	22	15	C	50 J	NA	3.8 U	NA	28 J	NA	1100 J	120 J	NA
BENZO(B)FLUORANTHENE	220	150	C	41	NA	3.8 U	NA	17	NA	1200	130	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	31	NA	3.8 U	NA	13	NA	880	100	NA
BENZO(K)FLUORANTHENE	2200	1500	C	18	NA	3.8 U	NA	10	NA	540	53	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	89 J	NA	78 U	NA	80 U	NA	NA	83 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	96 J	NA	78 U	NA	80 U	NA	NA	84 J
CHRYSENE	22000	15000	C	47	NA	1.3 U	NA	25	NA	1200	130	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	NA	3.8 U	NA	4 U	NA	220 J	3.9 U	NA
FLUORANTHENE	310000	230000	N	62	NA	3.8 U	NA	37	NA	1700	170	NA
FLUORENE	310000	230000	N	4.1 U	NA	3.8 U	NA	4 U	NA	56	3.9 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	NA	3.8 U	NA	25 J	NA	630 J	80 J	NA
NAPHTHALENE	160000	3600	C	4.1 U	NA	3.8 U	NA	4 U	NA	87	8.4	NA
PHENANTHRENE	2300000	170000	N[6]	30	NA	3.8 U	NA	4 U	NA	800	82	NA
PYRENE	230000	170000	N	92	NA	3.8 U	NA	55	NA	2500	260	NA
TOTAL PAHS	NC	NC		466.6	NA	0 U	NA	232	NA	12496	1296.4	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID				OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE				20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	10	3	5	6	7	8	8
BOTTOM DEPTH				4	6	10	3	5	6	7	8	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	8.7 J	14 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	15 B	14 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		110 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	56	85	35	1.2 U	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	22	15	C	NA	NA	89	150	58	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	91	160	60	1.5 U	1.5 U	1.4 U	1.45 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	28	45	26	2.1 U	2.1 U	2 U	2.05 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	70	92	49	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	26	46	22	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	70	110	49	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	430	688	299	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.34 J	0.17 B	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	2.1 L	1.8 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	24.2	14.4	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.44	0.33	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.22	0.085	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	11.4 J	8 J	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	5.4 J	2.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.4 J	6 J	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	17200 J	15700 J	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		10.4 J	5.9 J	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	123 J	67.3 J	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.019 UL	0.02 UL	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	4.9 J	3.2 J	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.18 UL	0.19 UL	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.21	0.12	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.073	0.053	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	15.7 J	13.3 J	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	20.2 K	13.1 K	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.2	85.4	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID				G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE				20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	7	7	9	3
BOTTOM DEPTH				8	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	288	1.4 U	1727	24	27	30	3684	37
BAP EQUIVALENT-POS	22	15	C	1.6 U	288	1.4 U	1727	23	26	29	3684	36
BENZO(A)ANTHRACENE	220	150	C	1.2 U	170	1 U	670	1.1 U	1.1 U	1.1 U	2800	22
BENZO(A)PYRENE	22	15	C	1.6 U	190	1.4 U	1200	23	23.5	24	2500	29
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	210	1.3 U	1200	1.4 UJ	13.35	26 J	2600	46
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	87	1.9 U	440	2 U	2.25	3.5 J	1100	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	200	0.98 U	900	1.1 U	1.1 U	1.1 U	2800	21
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	46	1.4 U	250	1.6 U	1.55 U	1.5 U	480	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	130	1.6 U	850	1.8 UJ	11.95	23 J	1500	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1033	0 U	5510	23	49.75	76.5	13780	118
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID				G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	10	3
BOTTOM DEPTH				5	7	9	3	5	7	9	10	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	140	1.1 U	1.1 U	1.1 U	150	36	130
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	290	1.5 U	1.5 U	1.6 U	320	39	140
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	310	1.4 U	1.4 U	1.4 U	330	42	140
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	130	2 U	2 U	2 U	150	17	73
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	200	1.1 U	1.1 U	1.1 U	190	41	120
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.9 U	1.5 U	1.5 U	1.6 U	53	22	40
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	220	1.8 U	1.8 U	1.8 U	200	35	89
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	1290	0 U	0 U	0 U	1393	232	732
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	3.2	2.1
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID				G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE				20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	7	7	8	9	3
BOTTOM DEPTH				4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		28	9028	988	70	66	62	1.5 U	23492	11.1341
BAP EQUIVALENT-POS	22	15	C	28	9028	988	70	66	62	1.5 U	23492	10.2891
BENZO(A)ANTHRACENE	220	150	C	11	5400	690	36	33.5	31	1.1 U	18000	8.8
BENZO(A)PYRENE	22	15	C	9.3	6100	680	41	37.5	34	1.5 U	16000	8.4
BENZO(B)FLUORANTHENE	220	150	C	12	7200	700	44	41	38	1.4 U	21000	10
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2200	330	20	18	16	2 U	3600	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12	5700	690	45	41.5	38	1.1 U	16000	9.1
DIBENZO(A,H)ANTHRACENE	22	15	C	14	1300	130	17	17.5	18	1.5 U	2700	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	3400	350	35	33	31	1.8 U	8400	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		77.3	31300	3570	238	222	206	0 U	85700	36.3
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	4.1	3.2	6.9	8.5	6.9	5.3	1.6	8.3	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID				G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	5	5
BOTTOM DEPTH				5	7	9	3	5	7	9	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		386	1.5 U	31	23	1364	1.6 U	4718	NA	NA
BAP EQUIVALENT-POS	22	15	C	385	1.5 U	30	22	1364	1.6 U	4718	NA	NA
BENZO(A)ANTHRACENE	220	150	C	210	1.1 U	18	1.1 U	700	1.1 U	2800	NA	NA
BENZO(A)PYRENE	22	15	C	320	1.5 U	24	18	980	1.6 U	3200	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	300	1.4 U	24	21	990	1.4 U	3400	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	83	2 U	13	2 U	480	2 U	1500	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	240	1.1 U	25	1.1 U	840	1.1 U	3300	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.5 U	140	1.6 U	690	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	130	1.8 U	16	20	690	1.8 U	1900	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1283	0 U	120	59	4820	0 U	16790	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID				SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE				20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	5	5	5	5	5
BOTTOM DEPTH				5	5	5	5	5	5	5	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1 U	1 U	1 U	2	1 U	1 U	140	1 U	2
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	1600000 [4]	63000	N	1 U	1 U	1 U	3	1 U	1 U	19	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	12000 U	12000 U	12000 U	13000 U	12000 U	11000 U	32000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID				SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE				20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	0.54 J	2.5 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	2.2 U	2.1 U	1.1 J	0.82 J	2.1 U	2.5 U	2.2 U	0.69 J	2.5 U
2-BUTANONE	4700000	2800000	N	8.96 U	8.26 U	8.73 U	9.2 U	3.58 J	3.64 J	3.85 J	9.03 U	8.17 J
ACETONE	7000000	6100000	N	8.8 J	13 J	6.8 J	3.6 J	39.5 J	38.5 J	51 J	7.6 J	89.6 J
BENZENE	12000	1100	C	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
CARBON DISULFIDE	780000	82000	N	2.2 U	2.1 U	1.2 J	2.3 U	2.1 U	2.1 J	0.83 J	0.68 J	0.76 J
ETHYLBENZENE	780000	5400	C	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ISOPROPYLBENZENE	780000	210000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
METHYLENE CHLORIDE	85000	11000	C	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
NAPHTHALENE	160000	3600	C	2.2 U	2.1 U	0.62 J	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-BUTYLBENZENE	NC	NC		2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-PROPYLBENZENE	NC	340000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERTIARY-BUTYL ALCOHOL	NC	NC		9 U	8 U	9 U	9 U	8 U	10 U	9 U	7 J	10 U
TOLUENE	630000	500000	N	3.8	1.4 J	2.8	2 J	2.1 U	3.9	1.6 J	1.2 J	2.5 U
TOTAL XYLENES	1600000 [4]	63000	N	6.7 U	6.2 U	6.5 U	6.9 U	6.4 U	7.5 U	6.7 U	6.8 U	7.4 U
TRICHLOROETHENE	1600	2800	C	2.2 U	2.1 U	0.98 J	0.92 J	2.1 U	1.1 J	0.62 J	1.3 J	2.5 U
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	42.3 B	52.3 B	136 J	134 J	50.8 B	56.1 B	55.7 B	67.3 B	69.8 B
CARBAZOLE	32000	NC		200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
DIBENZOFURAN	7800	7800	N	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
PHENOL	2300000	1800000	N	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	82.2 U	77.1 U	79.6 U	80.1 U	79.4 U	87.7 U	78 U	82.2 U	89.9 U
2-METHYLNAPHTHALENE	31000	31000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHENE	470000	340000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHYLENE	470000	340000	N[5]	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ANTHRACENE	2300000	1700000	N	82 U	77 U	130	80 U	38 J	88 U	38 J	82 U	90 U
BAP EQUIVALENT-HALFND	22	15		82 U	77 U	1814	296	500	144	355	82 U	109
BAP EQUIVALENT-POS	22	15	C	82 U	77 U	1814	256	500	100	355	82 U	55
BENZO(A)ANTHRACENE	220	150	C	82 U	77 U	1130	165	297	69 J	245	82 U	38 J
BENZO(A)PYRENE	22	15	C	82 U	77 U	1410	211	370	82 J	249	82 U	51 J
BENZO(B)FLUORANTHENE	220	150	C	82 U	77 U	1270 J	191	275	56 J	169	82 U	90 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	82 U	77 U	372	66 J	182	69 J	148	82 U	48 J
BENZO(K)FLUORANTHENE	2200	1500	C	82 U	77 U	1610	221	330	67 J	235	82 U	50 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	82 U	77 U	1390	197	384	85 J	306	82 U	48 J
DIBENZO(A,H)ANTHRACENE	22	15	C	82 U	77 U	108	80 U	53 J	88 U	49 J	82 U	90 U
FLUORANTHENE	310000	230000	N	82 U	77 U	1470	205	486	105	424	82 U	49 J
FLUORENE	310000	230000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
INDENO(1,2,3-CD)PYRENE	220	150	C	82 U	77 U	387	69 J	162	50 J	134	82 U	90 U
NAPHTHALENE	160000	3600	C	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
PHENANTHRENE	2300000	170000	N[6]	82 U	77 U	433	51 J	111	88 U	191	82 U	90 U
PYRENE	230000	170000	N	82 U	77 U	1900	319	639	121	521	82 U	55 J
TOTAL PAHS	NC	NC		0 U	0 U	11610	1695	3327	704	2709	0 U	339
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	37 U	8.1 J	14 J	37 U	43 U	36 U	39 U	43 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	8.1	14	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.2 UL	0.4 L	0.3 U	0.3 U	0.3 UL	0.3 L	0.3 UL	0.3 UL	0.3 UL
ARSENIC	0.43	0.39	C	5	1 B	4	5	2 B	1 B	5	5	5 B
BARIUM	1600	1500	N	3	3	21	25	18	21	29	33	35
BERYLLIUM	16	16	N	0.5	0.2	0.8	0.7	0.6	0.6	0.6	1.8	3.9
CADMIUM	3.9	7	N	0.1 B	0.08 B	0.2 B	0.2 B	0.2 B	0.1 B	0.2 B	0.3 B	0.7 B
CHROMIUM	12000 [9]	12000	N[9]	8.9	6.9	27.9	29.1	16.2	12.5	12.2	32.1	40
COBALT	NC	2.3	N	5.3	2.8	9.3	13.4	4	2.9	68.1	14	11 B
COPPER	310	310	N	8	4	25	18	10	9	11	13	25
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		2	1 B	9	11	5	4	8	12	18
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.01	0.02	0.009	0.008	0.008	0.009	0.007	0.007	0.03
NICKEL	160	150	N	5	3	17	13	8	5	9	25	49
SELENIUM	39	39	N	1	1 U	2 U	2 U	3	2 U	2 U	2 U	11 U
SILVER	39	39	N	0.03 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.3 U
THALLIUM	0.55	NC		0.6 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
VANADIUM	7.8	39	N[12]	18.7	13.9	68.1	72.7	32.5	20.1	25.1	46.3	52.6
ZINC	2300	2300	N	21	8	16	12	16	9	21	43	145
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		5100 J	1900 J	92300	37700	55700	33800	50200	840 J	12300
GASOLINE RANGE ORGANICS	230000	NC		10300 U	8200 U	11200 U	10700 U	10600 U	12600 U	10800 U	11800 U	12800 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		5.7	7	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID				SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE				20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	5	10	5	10	5	10
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	7.73 U	8.68 U	8.24 J	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	12 J	8.9 J	38.4 J	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1.93 U	2.17 U	2.32 U	121 U	101 U	113 U	114 U	108 U	119 U
CARBON DISULFIDE	780000	82000	N	1.9 U	1.2 J	2 J	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	1.9 U	2.2 U	2.3 U	121 U	101 U	113 U	114 U	108 U	119 U
ISOPROPYLBENZENE	780000	210000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1.9 U	10.3	2.3 U	362 U	303 U	339 U	342 U	323 U	357 U
N-BUTYLBENZENE	NC	NC		1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		8 U	6 J	9 U	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1.2 J	4.2	1.1 J	121 U	101 U	113 U	114 U	108 U	119 U
TOTAL XYLENES	1600000 [4]	63000	N	5.8 U	6.5 U	7 U	362 U	303 U	339 U	342 U	323 U	357 U
TRICHLOROETHENE	1600	2800	C	1.9 U	1.5 J	0.82 J	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	54.7 B	64.8 B	70.8 B	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		205 U	51 J	207 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	120 U	34 J	122 U	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	84.3 U	75.7 J	85.2 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	84 U	48 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	84 U	45 J	85 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	84 U	315	85 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		84 U	918	98	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	84 U	918	0.021	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	84 U	838	85 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	84 U	671	85 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	84 U	610	85 U	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	84 U	191	85 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	84 U	682	85 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	84 U	965	21 J	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	84 U	1640	37 J	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	84 U	200	85 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	84 U	198	85 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	84 U	2310	23 J	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	84 U	1950	85 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	10813	81	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.3 UL	0.3 UL	0.7 L	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	6	3 B	2 B	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	24	16	20	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	0.6	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.4	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	35.7	16.3	21.7	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	7.6	5.6	12.1	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	47	11	13	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		11	5	4	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.009	0.01	0.01	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	35	7	22	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		1 U	1 U	0.9 U	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	59	36.7	38.1	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	86	15	20	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		5300 J	105000	17500	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		11900 U	11200 U	11400 U	12100 U	10100 U	11300 U	11400 U	176000	11900 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID				SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	10 J	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		10	0 U	0 U	0 U	0 U	0 U	820	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		91.2	90.2	84.5	83.9	84.5	84.7	82	84.2	83.7
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID				SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	16 J	1.6 U	27 J	43 J	1.6 U	1.6 U	160 J	15 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	16	0 U	27	43	0 U	0 U	160	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		83.6	68.6	81.7	83.7	85.5	82	81.3	88.2	86.3
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID				SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	9.5 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	9.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		79.3	82.1	87.8	85.4	84.5	81.9	80.5	79.6	85
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID				SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32 J	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	32	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		82.5	87.8	85.7	83.4	80.5	91.3	91.4	86.3	85.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-419	SB-419	SB-419	SB-419
SAMPLE ID				SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE				20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				2	3	5	7
BOTTOM DEPTH				3	4	6	8
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1260	320	220	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		84.4	89.4	85.7	89.1
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID				SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	1.4 U	1.5 U	1.6 U	10 J	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		91.7	92.8	88.3	83.6	84.4	83.3	84.6	83	91.4
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID				SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BAP EQUIVALENT-POS	22	15	C	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	61 J	1.5 U	18 J	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	61	0 U	18	0 U	0 U	0 U	4000	1600
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		90.2	86.7	86.7	87.9	85.8	91.3	82.6	90.6	91
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID				SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**19**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**19**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**19 J**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		84.5	84.1	92.1	89.6	86.3	84.1	84.1	90.1	83.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID				SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	960	0 U	0 U	0 U	0 U	35	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220	C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000	N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3	N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		78.5	93.3	81.7	85.8	83.6	88	87.6	87.6	86.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID				SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.4 U	1.4 U	1.5 U	**17**	1.4 U	8.9	14	**93**
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.4 U	1.4 U	1.5 U	**17**	1.4 U	8.9	14	**93**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	1.4 U	1.4 U	1.5 U	**17 J**	1.4 U	8.9 J	14 J	**93 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	17	0 U	8.9	14	93
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		94.5	92.1	90.2	86.9	92.1	93	85.3	83.1	90.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID				SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17**	1.4 U
BAP EQUIVALENT-POS	22	15	C	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17**	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	8.3 J	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17 J**	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.3	0 U	0 U	0 U	0 U	0 U	0 U	17	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.2	86.1	73	89.2	92.5	85.6	85.6	94.7	94.4
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID				SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13 J	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		93.7	87.4	86.5	86.5	82.6	83	86.9	85	82
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID				SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	**17**	9.2	**18**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	**17**	9.2	**18**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	**17 J**	9.2 J	**18 J**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	17	9.2	18	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		82.9	87.5	90.6	88	86.2	88.6	84.8	83.6	80.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID				SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7
BOTTOM DEPTH				3	4	6	8	3	4	6	8
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		87.7	84.9	89.9	83.3	86.2	77.9	81.2	79.6
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086	SB-087
SAMPLE ID				SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10	SB-87-05
SAMPLE DATE				20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115	20041105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	5	10	5	10	5
BOTTOM DEPTH				5	5	5	5	5	10	5	10	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
2-BUTANONE	4700000	2800000	N	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL	NA
ACETONE	7000000	6100000	N	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL	NA
BENZENE	12000	1100	C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
CARBON DISULFIDE	780000	82000	N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400	C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
ISOPROPYLBENZENE	780000	210000	N	6 UJ	6 U	6 UJ	990 J	61 UJ	6 UL	6 UL	6 UL	NA
METHYLENE CHLORIDE	85000	11000	C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	8 J	10 J	10 J	NA
NAPHTHALENE	160000	3600	C	6 UJ	6 U	6 UJ	620 J	160 J	6 UL	6 UL	6 UL	1 U
N-BUTYLBENZENE	NC	NC		6 UJ	6 U	6 UJ	850 J	61 UJ	6 UL	6 UL	6 UL	NA
N-PROPYLBENZENE	NC	340000	N	6 UJ	6 U	6 UJ	2200 J	61 UJ	6 UL	6 UL	6 UL	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	1 U
TRICHLOROETHENE	1600	2800	C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
DIBENZOFURAN	7800	7800	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PHENOL	2300000	1800000	N	1900	1300	400 U	410 U	410 U	1000 J	1100 J	1600 J	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ACENAPHTHENE	470000	340000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ACENAPHTHYLENE	470000	340000	N[5]	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ANTHRACENE	2300000	1700000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BAP EQUIVALENT-HALFND	22	15		390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U	NA
BAP EQUIVALENT-POS	22	15	C	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U	NA
BENZO(A)ANTHRACENE	220	150	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(A)PYRENE	22	15	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
FLUORANTHENE	310000	230000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
FLUORENE	310000	230000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
NAPHTHALENE	160000	3600	C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PHENANTHRENE	2300000	170000	N[6]	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PYRENE	230000	170000	N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 UL	2.6 UL	2.8 UL	NA
ARSENIC	0.43	0.39	C	2.5	1.2	1.9	3.4	2.2	0.53 U	0.7	0.61	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	3.2	2.6 U	2.8 U	NA
CADMIUM	3.9	7	N	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 U	2.6 U	2.8 U	NA
CHROMIUM	12000 [9]	12000	N[9]	9.9	7.6	7.6	19	28	9.3	18	31	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	13	7	5.7	13	19	13	30	9.1	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		4.7	4.6	9.9	4.5	11	4.1 J	9.5 J	5.8 J	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.11 U	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	NA
NICKEL	160	150	N	7.3	3.4 L	9.8	2.9 U	23	46 J	20 J	15 J	NA
SELENIUM	39	39	N	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	2.6 UL	2.6 UL	2.8 UL	NA
SILVER	39	39	N	2.7 UL	2.6 UL	2.6 UL	2.9 UL	2.8 UL	2.6 UR	2.6 UR	2.8 UR	NA
THALLIUM	0.55	NC		2.2 U	2.1 U	2.1 UL	2.3 UL	2.3 U	2.1 U	2.1 U	2.2 U	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	27 UL	26 UL	27 K	29 U	61	93	62	34	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	12000 U	12000 U	12000 U	12000 UJ	12000 UJ	11000 UJ	12000 U
GASOLINE RANGE ORGANICS	230000	NC		120 U	120 U	120 U	520000	240000	120 UJ	120 UJ	110 UJ	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440	SB-440	SB-441
SAMPLE ID				SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304	SB-440-0506	SB-441-0203
SAMPLE DATE				20041105	20041105	20041103	20040927	20040927	20071018	20071018	20071018	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	4	2	3	5	2
BOTTOM DEPTH				5	5	5	5	4	3	4	6	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	58 UL	58 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	58 UL	58 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	1 U	7	1 U	6 UL	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	1 U	100	1 U	6 UL	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	270	170	1 U	6 UL	6 UL	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	4	1 U	1 U	6 UL	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	600	160	1 U	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	390 U	462	1.6 U	1.6 U	1.7 U	72
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	390 U	0.06	1.6 U	1.6 U	1.7 U	72
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	390 U	400 U	1.6 U	1.6 U	1.7 U	72 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	390 U	60 J	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	390 U	48 J	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	390 U	78 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	186	0 U	0 U	0 U	72
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	290 U	290 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.8 UL	3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	2.4	1.4	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	20 J	26 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	17 J	12 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	3.3 K	5.7 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	0.11 U	0.12 U	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	5.9 K	10 K	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	2.8 UR	3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	2.2 U	2.4 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	28 UL	30 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		13000	12000 U	12000 U	12000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	120 U	120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	83.1	82.1	75.8	87.8
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442	SB-442	SB-443	SB-443
SAMPLE ID			SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506	SB-442-0708	SB-443-0203	SB-443-0304
SAMPLE DATE			20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	31	900	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	31	900	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	31 J	900 J	1.5 UJ	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	31	900	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	88.6	77.8	85.2	84.9	86.4	83.6	85.6	91.5	89.2
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-443	SB-443	SB-444	SB-444	SB-444	SB-444	SB-445	SB-445	SB-445
SAMPLE ID				SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	32	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	32	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	32 J	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	32	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		85.3	83	85.9	87	79.4	79	89.2	86.6	83.1
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-445	SB-446	SB-446	SB-446	SB-446	SB-447	SB-448	SB-448	SB-448
SAMPLE ID				SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	2	3	5
BOTTOM DEPTH				8	3	4	6	8	3	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28 J	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	28	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		81.1	89.3	88.6	89.6	83.4	87.6	87.5	85.3	85.2
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-448	SB-449	SB-449	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450
SAMPLE ID				SB-448-0708	SB-449-0203	SB-449-0304	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	21	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	21	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	21 J	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	21	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.5	90	89.7	85	82.1	86.5	83.4	84	78.6
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-451	SB-451	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453
SAMPLE ID				SB-451-0203	SB-451-0304	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203
SAMPLE DATE				20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	1.5 U	22 J	38 J	1.5 U	1.5 U	28 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	22	38	0 U	0 U	28
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.2	82.4	79.5	84.4	91.8	87.2	86.4	84.9	84.7
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-453	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID				SB-453-0304	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE				20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		640	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		72.2	83.8	81.5	79.9	82	81.4	80.1	86.5	85.2
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID			SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE			20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	2	3	5	7
BOTTOM DEPTH			6	8	3	4	6	8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310 J
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	310
PESTICIDES/PCBS (UG/KG)								
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC	81.5	83.2	85	79.1	89.4	90.8
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value for acenaphthene is used as a surrogate for acenaphthylene.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - The value is for PCB (total).
8 - The value is for polychlorinated biphenyls (high risk).
9 - The value is for trivalent chromium.
10 - The value is for mercury (inorganic/mercuric dichloride).
11 - The value is for mercuric chloride.
12 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	229	284	13891	24163	277	1.6 U	9.8	1.6 U	843
BAP EQUIVALENT-POS	229	284	13891	24163	277	1.6 U	8.9	1.6 U	843
BENZO(A)ANTHRACENE	130	160	7900	15000	180	1.2 U	1.1 U	1.1 U	470 J
BENZO(A)PYRENE	160	200	9800	17000	190	1.6 U	8	1.6 U	600 J
BENZO(B)FLUORANTHENE	170	220	12000	18000	240	1.5 U	9.1	1.4 U	580 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	68	80	5200	8600	85	2.1 U	2 U	2 U	320 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	150	180	9300	17000	230	1.1 U	1 U	1.1 U	500 J
DIBENZO(A,H)ANTHRACENE	29	34	1500	2900	33	1.6 U	1.5 U	1.6 U	100 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	95	110	5400	8600	110	1.8 U	1.7 U	1.8 U	340 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	802	984	51100	87100	1068	0 U	17.1	0 U	2910
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	518	194	259	3231	24	4.3	8303	1482	66
BAP EQUIVALENT-POS	518	194	259	3231	23	2.8	8303	1482	65
BENZO(A)ANTHRACENE	284.5	99 J	120	1500	14	9.4	6600	940	37
BENZO(A)PYRENE	370	140 J	180	2300	19	1.5 U	5700	1000	52
BENZO(B)FLUORANTHENE	360	140 J	190	2600	17	10	6100	1100	57
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	190.5	61 J	90	950	11	6.8 J	2600	470	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	310	120 J	150	1800	16	1 U	7200	1000	44
DIBENZO(A,H)ANTHRACENE	61	22 J	37	390	1.5 U	1.5 U	1000	210	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	208	76 J	100	1200	12	8.1	3000	620	38
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1784	658	867	10740	89	34.3	32200	5340	248
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	28	2150	319	1.5 U	144	85	244	158	73
BAP EQUIVALENT-POS	27	2146	318	1.5 U	143	85	243	158	73
BENZO(A)ANTHRACENE	23	1600	250	1.1 U	120	72	210 J	131.5	53 J
BENZO(A)PYRENE	21	1700	250	1.5 U	110	64	190 J	120	50 J
BENZO(B)FLUORANTHENE	38	1800	280	1.4 U	140	88	200 J	129.5	59 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.8	760	110	2 U	40	30	98 J	58.5	19 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1700	240	1 U	110	67	220 J	140	60 J
DIBENZO(A,H)ANTHRACENE	1.5 U	6.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.725	8.7
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	970	140	1.7 U	68	42	110 J	69	28 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	111.8	8530	1270	0 U	588	363	1028	652.85	277.7
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	348	232	201	55	1.5 U	347	1.5 U	10484	7626
BAP EQUIVALENT-POS	347	232	201	54	1.5 U	347	1.5 U	10484	7626
BENZO(A)ANTHRACENE	280	190	140	47	1.1 U	240	1.1 U	5800 J	4150
BENZO(A)PYRENE	270	160	140	42	1.5 U	240	1.5 U	6900 J	5050
BENZO(B)FLUORANTHENE	320	180	160	48	1.4 U	270	1.4 U	7900 J	5600
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	72	61	19	2 U	130	2 U	2800 J	2150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	320	190	170	50	1.1 U	320	1.1 U	6200 J	4400
DIBENZO(A,H)ANTHRACENE	1.5 U	26	23	1.6 U	1.5 U	40	1.5 U	1800 J	1305
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	150	82	76	23	1.8 U	140	1.8 U	3800 J	2700
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1490	900	770	229	0 U	1380	0 U	35200	25355
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	4768	80	265	595	2324	744	19	268	4677
BAP EQUIVALENT-POS	4768	79	265	595	2324	744	18	267	4673
BENZO(A)ANTHRACENE	2500 J	49	170	350	1400	450	14	230	4000
BENZO(A)PYRENE	3200 J	64	180	400	1600	530	14	210	3800
BENZO(B)FLUORANTHENE	3300 J	59	210	430	1800	600	16	200	4000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1500 J	46	77	190	710	200	2 U	160	3000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	2600 J	59	190	390	1500	470	13	260	5200
DIBENZO(A,H)ANTHRACENE	810 J	1.5 U	35	91	310	79	1.5 U	1.5 U	8.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1600 J	41	110	240	850	280	9.3	120	380
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15510	318	972	2091	8170	2609	66.3	1180	20380
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	182	1.5 U	447	1.5 U	41	15	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	181	1.5 U	446	1.5 U	40	15	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	160	1.1 U	320	1.1 U	29	12	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	140	1.5 U	350	1.5 U	32	12	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	160	1.4 U	430	1.4 U	30	14	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	1.9 U	200	2 U	18	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	170	1 U	350	1 U	31	12	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	79	1.7 U	190	1.7 U	18	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	819	0 U	1840	0 U	158	50	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	12
BAP EQUIVALENT-POS	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11
BENZO(A)ANTHRACENE	1.2 U	1700	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.6 U	1700	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	9.8
BENZO(B)FLUORANTHENE	1.5 U	2000	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	9.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	960	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	2100	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	280	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1100	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9840	0 U	0 U	0 U	0 U	0 U	0 U	19.3
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	2.1 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	2.2 U	2.2 U	2.6	9.1	2.3 U	2.25 U	2.2 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	2.2 U	2.2 U	0.54	8.2	2.3 U	2.25 U	2.2 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.3 U	1.9 J	6 J	1.3 U	1.3 U	1.3 U
BENZO(A)PYRENE	1.5 U	1.5 U	2.2 U	2.2 U	2.2 U	6.2 J	2.3 U	2.25 U	2.2 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.6 U	1.6 U	2.1 J	9.3	1.7 U	1.65 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.4 U	1.4 U	2 J	6.8 J	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	0.43 U	0.43 U	1.4 J	5.1 J	0.45 U	0.445 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	7.4	33.4	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14	17	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	35343	795
BAP EQUIVALENT-POS	13	16	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	35343	795
BENZO(A)ANTHRACENE	13	1.2 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	30000	630
BENZO(A)PYRENE	10	14	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	24000	540
BENZO(B)FLUORANTHENE	15	23	4.1 U	1.4 U	1.3 U	1.35 U	1.4 U	27000	610
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	5.8 U	2 U	1.9 U	1.95 U	2 U	11000	250
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	20	3.1 U	1.1 U	1 U	1 U	1 U	33000	690
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4300	98
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	5.2 U	1.8 U	1.7 U	1.7 U	1.7 U	12000	300
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	57	0 U	0 U	0 U	0 U	0 U	141300	3118
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	817	575	333	95	2231	552	28	547	45
BAP EQUIVALENT-POS	817	575	333	95	2231	552	27	547	44
BENZO(A)ANTHRACENE	630 J	465	300 J	48	970	220	25	500	42
BENZO(A)PYRENE	530 J	375	220 J	67	1500	410	21	380	34
BENZO(B)FLUORANTHENE	600 J	425	250 J	64	1500	350	22	440	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	250 J	180	110 J	29	550	170	8.3	210	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	680 J	480	280 J	60	1100	270	27	560	49
DIBENZO(A,H)ANTHRACENE	130 J	87	44 J	12	400	56	1.6 U	49	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	310 J	220	130 J	42	770	270	13	210	19
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	3130	2232	1334	322	6790	1746	116.3	2349	198
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1035	234	1125	6375
BAP EQUIVALENT-POS	1035	234	1125	6375
BENZO(A)ANTHRACENE	770	180	820	4700
BENZO(A)PYRENE	650	150	780	4400
BENZO(B)FLUORANTHENE	820	160	890	3900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400	62	320	1900
C1-CHRYSENES	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	970	200	1000	5800
DIBENZO(A,H)ANTHRACENE	180	40	120	880
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	410	93	500	2100
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	4200	885	4430	23680
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	0.72 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	0.65 U	6 U	5.9 U	6.2 U	1.3 J	6 UL	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	6 UL	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	1.5 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1-DICHLOROETHANE	NA	NA	0.42 U	6 U	5.9 U	1.6 J	1.3 J	6 UL	6 UL
1,1-DICHLOROETHENE	NA	NA	0.6 U	6 U	5.9 U	5 J	7.4	6 UL	6 UL
1,1-DICHLOROPROPENE	NA	NA	0.35 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	0.44 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	0.2 U	6 U	5.9 U	6.2 U	6 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	0.31 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	0.75 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	1.5 U	12 U	12 U	12 U	12 U	6 UL	6 UL
1,2-DIBROMOETHANE	NA	NA	0.58 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROBENZENE	NA	NA	0.42 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROPROPANE	NA	NA	0.8 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	6 UL	6 UL
1,3-DICHLOROBENZENE	NA	NA	0.41 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3-DICHLOROPROPANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	0.77 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	1.1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
2-BUTANONE	NA	NA	27	12 U	12 U	12 U	12 U	57 UL	57 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	1.6 U	12 U	12 U	12 U	12 U	6 UL	6 UL
2-CHLOROTOLUENE	NA	NA	0.46 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
2-HEXANONE	NA	NA	7.7 B	12 U	12 U	12 U	12 U	57 UL	57 UL
4-CHLOROTOLUENE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
4-ISOPROPYLTOLUENE	NA	NA	0.24 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
4-METHYL-2-PENTANONE	NA	NA	0.63 U	12 U	12 U	12 U	12 U	57 UL	57 UL
ACETONE	NA	NA	64 B	12 U	8 J	7.8 J	9.7 J	57 UL	57 UL
BENZENE	NA	NA	0.52 J	6 U	5.9 U	6.2 U	0.29 J	6 UL	6 UL
BROMOBENZENE	NA	NA	0.82 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOCHLOROMETHANE	NA	NA	0.82 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMODICHLOROMETHANE	NA	NA	0.33 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOFORM	NA	NA	0.38 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOMETHANE	NA	NA	0.63 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CARBON DISULFIDE	NA	NA	0.51 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CARBON TETRACHLORIDE	NA	NA	0.43 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROBENZENE	NA	NA	0.38 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLORODIBROMOMETHANE	NA	NA	0.64 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROETHANE	NA	NA	1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROFORM	NA	NA	0.34 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROMETHANE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	0.42 U	6 U	0.87 J	4.1 J	3.5 J	6 UL	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DIBROMOMETHANE	NA	NA	0.73 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	0.58 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DIISOPROPYL ETHER	NA	NA	1.7 U	12 U	12 U	12 U	12 U	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	0.26 U	6 U	5.9 U	6.2 U	6 U	NA	NA
ETHYLBENZENE	NA	NA	0.41 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	1.4 U	6 U	5.9 U	6.2 U	6 U	NA	NA
ISOPROPYLBENZENE	NA	NA	0.19 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
M+P-XYLENES	NA	NA	1.4 U	12 U	12 U	12 U	12 U	11 UL	11 UL
METHYL TERT-BUTYL ETHER	NA	NA	0.5 U	12 U	12 U	12 U	12 U	6 UL	6 UL
METHYLENE CHLORIDE	NA	NA	0.99 B	16 B	14 B	4.7 B	4.6 B	9 J	11 J
NAPHTHALENE	NA	NA	0.37 B	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
N-BUTYLBENZENE	NA	NA	0.35 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
N-PROPYLBENZENE	NA	NA	0.46 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
O-XYLENE	NA	NA	0.59 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
SEC-BUTYLBENZENE	NA	NA	0.21 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
STYRENE	NA	NA	0.17 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TERT-AMYL METHYL ETHER	NA	NA	0.43 U	6 U	5.9 U	6.2 U	6 U	NA	NA
TERT-BUTYLBENZENE	NA	NA	0.34 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	8.8 UR	120 UR	120 UR	120 UR	120 UR	NA	NA
TETRACHLOROETHENE	NA	NA	0.6 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TOLUENE	NA	NA	1.6 B	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	1.5 J	12 U	12 U	12 U	12 U	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	0.63 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TRICHLOROETHENE	NA	NA	0.49 U	6 U	4 J	17	64	6 UL	7 L
TRICHLOROFLUOROMETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
VINYL ACETATE	NA	NA	0.29 U	12 U	12 U	12 UJ	12 UJ	6 UL	6 UL

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
VINYL CHLORIDE	NA	NA	0.45 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	890 UJ	890 UJ
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
PHENOL	NA	NA	NA	NA	NA	NA	NA	960 J	980 J
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ACENAPHTHENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ACENAPHTHYLENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ANTHRACENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BAP EQUIVALENT-HALFND	32	NA	NA	NA	NA	NA	NA	390 U	411
BAP EQUIVALENT-POS	30	NA	NA	NA	NA	NA	NA	390 U	12
BENZO(A)ANTHRACENE	8.4	NA	NA	NA	NA	NA	NA	390 UJ	47 J
BENZO(A)PYRENE	26 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BENZO(B)FLUORANTHENE	9.9	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	74 J
BENZO(G,H,I)PERYLENE	10	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BENZO(K)FLUORANTHENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	10	NA	NA	NA	NA	NA	NA	390 UJ	51 J
DIBENZO(A,H)ANTHRACENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
FLUORANTHENE	8.5	NA	NA	NA	NA	NA	NA	390 UJ	110 J
FLUORENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
INDENO(1,2,3-CD)PYRENE	22 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
NAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
PHENANTHRENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	89 J
PYRENE	16	NA	NA	NA	NA	NA	NA	390 UJ	89 J
TOTAL PAHS	110.8	NA	NA	NA	NA	NA	NA	0 U	460
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
AROCLOR-1016	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1221	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1232	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1242	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1248	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1254	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1260	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	1100 UJ	560 UJ
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	0.28 J	0.096 B	0.12 B	0.095 B	2.6 UL	2.6 UL
ARSENIC	NA	NA	NA	0.32 L	0.19 L	1.1 L	0.24 L	0.98	0.51 U
BARIUM	NA	NA	NA	9.7	6.6	11.8	6	NA	NA
BERYLLIUM	NA	NA	NA	0.7	0.63	0.8	0.48	2.6 U	2.6 U
CADMIUM	NA	NA	NA	0.012 B	0.0085 B	0.12	0.0081 B	2.6 U	2.6 U
CHROMIUM	NA	NA	NA	8.9 J	9.1 J	10.6 J	9.1 J	14	11
COBALT	NA	NA	NA	3.1 J	2.9 J	8.1 J	2.1 J	NA	NA
COPPER	NA	NA	NA	5.7 J	4.8 J	8.1 J	4.6 J	12	12
IRON	NA	NA	NA	21600 J	8400 J	10300 J	6100 J	NA	NA
LEAD	NA	NA	NA	4 J	2.5 J	4.5 J	2.8 J	15 J	16 J
MANGANESE	NA	NA	NA	156 J	76.1 J	137 J	30.6 J	NA	NA
MERCURY	NA	NA	NA	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.11 U	0.1 U
MOLYBDENUM	NA	NA	NA	0.19 B	0.081 B	0.17 B	0.079 UL	NA	NA
NICKEL	NA	NA	NA	6.6 J	5.2 J	17 J	4.5 J	26 J	13 J
SELENIUM	NA	NA	NA	0.24 L	0.19 UL	0.22 L	0.19 UL	2.6 UL	2.6 UL
SILVER	NA	NA	NA	0.089	0.047	0.056	0.03 B	2.6 UR	2.6 UR
THALLIUM	NA	NA	NA	0.05	0.034	0.043	0.031	2.1 U	2 U
VANADIUM	NA	NA	NA	10.1 J	11.8 J	18.8 J	19.2 J	NA	NA
ZINC	NA	NA	NA	13.8 K	11.8 K	26.4 K	10.5 K	110	39

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	13000 J	11000 UJ
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	120 UJ	110 UJ
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	82.9	84.2	80.5	83.9	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	1320	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	19	1458	110	1.6 U	1.5 U	84	1.6 U	19
BAP EQUIVALENT-POS	1.5 U	19	1458	110	1.6 U	1.5 U	83	1.6 U	18
BENZO(A)ANTHRACENE	1.1 U	10	620	44	1.2 U	1.1 U	58	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	14	950	66	1.6 U	1.5 U	65	1.6 U	18
BENZO(B)FLUORANTHENE	1.4 U	16	940	74	1.5 U	1.4 U	73	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	450	24	2.1 U	2 U	24	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	11	770	53	1.1 U	1 U	62	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	290	26	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	21	570	57	1.8 U	1.7 U	48	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	4590	344	0 U	0 U	330	0 U	18
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	621	1.6 U	69	1.6 U	205	189	173	1.6 U	1.5 U
BAP EQUIVALENT-POS	620	1.6 U	69	1.6 U	205	189	173	1.6 U	1.5 U
BENZO(A)ANTHRACENE	340	1.1 U	32	1.1 U	67	63	59	1.1 U	1.1 U
BENZO(A)PYRENE	490	1.6 U	54	1.6 U	140	130	120	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	540	1.4 U	75	1.5 U	180	160	140	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	280	2.1 U	31	2.1 U	64	69	74	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	420	1.1 U	35	1.1 U	85	76	67	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	1.6 U	29	26.5	24	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390	1.8 U	36	1.8 U	110	98	86	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2460	0 U	263	0 U	675	622.5	570	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	3.4	2.1
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	308	951	649	1.6 U	104	1.5 U	42	1450	201
BAP EQUIVALENT-POS	308	951	649	1.6 U	104	1.5 U	41	1449	200
BENZO(A)ANTHRACENE	210	550	320	1.1 U	59	1.1 U	30	870	130
BENZO(A)PYRENE	200	650	430	1.6 U	76	1.5 U	33	1200	160
BENZO(B)FLUORANTHENE	230	660	480	1.4 U	66	1.4 U	31	1000	170
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	330	180	2 U	38	1.9 U	16	360	62
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	210	530	390	1.1 U	67	1 U	34	1100	150
DIBENZO(A,H)ANTHRACENE	51	140	110	1.6 U	10	1.5 U	1.5 U	1.6 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	120	360	270	1.8 U	48	1.7 U	19	570	95
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1083	3220	2180	0 U	364	0 U	163	5100	767
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	3.7	4.1	5.6	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	398	4782	67	125	88	13293	219	211	203
BAP EQUIVALENT-POS	398	4782	66	124	87	13293	219	211	203
BENZO(A)ANTHRACENE	230	3100	50	110	68	9500	120	125	130
BENZO(A)PYRENE	270	3200	51	98	69	8900	150	145	140
BENZO(B)FLUORANTHENE	310	3900	61	95	68	10000	180	165	150
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	1900	24	38	36	4200	69	76.5	84
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	280	3100	54	100	83	11000	180	175	170
DIBENZO(A,H)ANTHRACENE	55	670	1.6 U	1.6 U	1.6 U	1900	28	27	26
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	180	1900	34	55	43	4900	100	89.5	79
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1435	17770	274	496	367	50400	827	803	779
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	2188	11506	2713	59	84	992	2863	3334
BAP EQUIVALENT-POS	319	2188	11506	2713	59	84	992	2863	3334
BENZO(A)ANTHRACENE	200	1700	6900	1600	36	49	700	1400	1900
BENZO(A)PYRENE	220	1500	7900	1900	47	47	700	2000	2300
BENZO(B)FLUORANTHENE	270	1700	8300	2100	47	58	730	1800	2300
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	720	3800	1100	25	21	310	1100	1200
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	260	1900	7700	1900	50	53	750	1600	2300
DIBENZO(A,H)ANTHRACENE	38	260	1600	330	1.6 U	22	110	410	480
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	790	4400	1000	29	38	350	1200	1200
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1228	8570	40600	9930	234	288	3650	9510	11680
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	19	29	49	184	3345	12086	8745	1.6 U
BAP EQUIVALENT-POS	1.5 U	18	28	48	183	3338	12045	8745	1.6 U
BENZO(A)ANTHRACENE	1.1 U	15	19	38	110	3100	12000	6800	1.2 U
BENZO(A)PYRENE	1.5 U	14	23	38	150	2600	9200	6100	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	14	18	39	130	2700	11000	6900	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	14	20	83	1400	5300	2700	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	17	24	41	120	3600	12000	8000	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	15 U	81 U	950	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	8.3	13	22	81	1400	4800	2900	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	68.3	111	198	674	14800	54300	34350	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.8 U	67	27	1.6 U	2470	44	57	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.8 U	66	26	1.6 U	2470	43	56	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.3 U	48	16	1.1 U	1800	34	53	1.1 U
BENZO(A)PYRENE	1.6 U	1.8 U	53	21	1.6 U	1700	34	44	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.7 U	52	21	1.4 U	1700	36	39	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.3 U	26	12	2 U	850	14	32	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.2 U	57	16	1.1 U	1900	40	64	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.8 U	1.5 U	1.6 U	1.6 U	320	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	2.1 U	30	12	1.8 U	900	19	26	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	266	98	0 U	9170	177	258	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	31	4 U
2-METHYLNAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U	4 U
ACENAPHTHENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	14 J	51	4 U
ACENAPHTHYLENE	NA	NA	3.8 U	44	23	4.2 U	37	49	4 U
ANTHRACENE	NA	NA	3.8 U	88 J	55 J	33	130	240	4 U
BAP EQUIVALENT-HALFND	17	1.7 U	3.8 U	352	219	187	662	1237	4 U
BAP EQUIVALENT-POS	16	1.7 U	3.8 U	350	217	185	658	1237	4 U
BENZO(A)ANTHRACENE	15	1.3 U	3.8 U	260	160	200	630	1100	4 U
BENZO(A)PYRENE	13	1.7 U	3.8 U	270 J	170 J	140	500	840	4 U
BENZO(B)FLUORANTHENE	15	1.6 U	3.8 U	350 J	190 J	150	620	930	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.8 U	240 J	140 J	120	410	660	4 U
BENZO(K)FLUORANTHENE	2.2 U	2.2 U	3.8 U	140 J	96 J	86	310	500	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	1.2 U	1.3 U	320	170	220	730	1200	1.3 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	140	4 U
FLUORANTHENE	NA	NA	3.8 U	380 J	210 J	340	1100	2100	19
FLUORENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	24	70	4 U
INDENO(1,2,3-CD)PYRENE	2 U	2 U	3.8 U	170 J	110 J	89	290	480	4 U
NAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U	4 U
PHENANTHRENE	NA	NA	3.8 U	150 J	90 J	250	630	1500	12
PYRENE	NA	NA	3.8 U	690	400	530	1900	3400	32
TOTAL PAHS	59	0 U	0 U	3102	1814	2158	7325	13260	63
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	20	4 U	4.1 U	4.2 U	3.7 U	7.5 U
2-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	30	4 U	4.1 U	4.2 U	3.7 U	7.5 U
ACENAPHTHENE	4.1 U	4.1 U	4 U	36 J	4 U	4.1 U	4.2 U	3.7 U	18
ACENAPHTHYLENE	4.1 U	4.1 U	9.1	84	4 U	4.1 U	4.2 U	3.7 U	66
ANTHRACENE	4.1 U	4.1 U	30 J	170 J	4 U	4.1 U	4.2 U	9.1	140
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	92	780	4 U	74	4.2 U	127	1457
BAP EQUIVALENT-POS	4.1 U	4.1 U	90	778	4 U	72	4.2 U	127	1457
BENZO(A)ANTHRACENE	4.1 U	4.1 U	59	580	4 U	46	4.2 U	73	780
BENZO(A)PYRENE	4.1 U	4.1 U	71 J	610 J	4 U	58	4.2 U	85	950
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	76 J	730 J	4 U	57	4.2 U	95	1000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	61 J	390 J	4 U	55	4.2 U	82	950
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	40 J	300 J	4 U	32	4.2 U	36	420
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
CHRYSENE	1.4 U	1.4 U	67	690	1.3 U	67	1.4 U	85	1000
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	19	260
FLUORANTHENE	4.1 U	8.4	100 J	850 J	4 U	78	4.2 U	87	970
FLUORENE	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	3.7 U	22
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	51 J	330 J	4 U	34	4.2 U	56	640
NAPHTHALENE	4.1 U	4.1 U	4 U	37	4 U	4.1 U	4.2 U	3.7 U	7.5 U
PHENANTHRENE	4.1 U	4.1 U	57 J	380 J	4 U	25	4.2 U	21	250
PYRENE	4.1 U	13	150	1600	4 U	120	4.2 U	160	1800
TOTAL PAHS	0 U	21.4	771.1	6817	0 U	572	0 U	808.1	9266
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
2-METHYLNAPHTHALENE	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ACENAPHTHENE	4 U	3.8 U	72 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ACENAPHTHYLENE	4 U	3.8 U	51	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ANTHRACENE	4 U	3.8 U	190 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
BAP EQUIVALENT-HALFND	4 U	3.8 U	1826	5.9	4.2 U	16	21	4.3 U	24
BAP EQUIVALENT-POS	4 U	3.8 U	1826	1.1	4.2 U	13	19	4.3 U	22
BENZO(A)ANTHRACENE	4 U	3.8 U	1200	11	4.2 U	12	16	4.3 U	18
BENZO(A)PYRENE	4 U	3.8 U	1300 J	4.3 U	4.2 U	11	16	4.3 U	18
BENZO(B)FLUORANTHENE	4 U	3.8 U	1400 J	4.3 U	4.2 U	12	16	4.3 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U	880 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
BENZO(K)FLUORANTHENE	4 U	3.8 U	610 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
CHRYSENE	1.3 U	1.3 U	1500	13	1.4 U	15	15	1.4 U	23
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U	200 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
FLUORANTHENE	4 U	3.8 U	1800 J	31 J	4.2 U	16	15	4.3 U	26
FLUORENE	4 U	3.8 U	75 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U	580 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
NAPHTHALENE	4 U	3.8 U	25	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
PHENANTHRENE	4 U	3.8 U	540 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	13
PYRENE	4 U	3.8 U	3500	25	4.2 U	29	32	15	41
TOTAL PAHS	0 U	0 U	13923	80	0 U	95	110	15	156
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4.1 U	4.1 U	7.9	4 U	31	120	120	NA
2-METHYLNAPHTHALENE	4.1 U	4.1 U	14	4 U	25	17 U	17 U	NA
ACENAPHTHENE	4.1 U	4.1 U	3.7 U	4 U	53 J	210 J	210 J	NA
ACENAPHTHYLENE	4.1 U	4.1 U	33	4 U	49	190	190	NA
ANTHRACENE	4.1 U	4.1 U	66	4 U	170 J	630 J	630 J	NA
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	409	4 U	607	1957	1957	NA
BAP EQUIVALENT-POS	4.1 U	4.1 U	408	4 U	605	1948	1948	NA
BENZO(A)ANTHRACENE	4.1 U	4.1 U	280	4 U	520	1700	1700	NA
BENZO(A)PYRENE	4.1 U	4.1 U	320 J	4 U	470 J	1500 J	1500 J	NA
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	370 J	4 U	530 J	1900 J	1900 J	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	320	4 U	370 J	1000 J	1000 J	NA
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	130	4 U	200 J	720 J	720 J	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	1300 J	NA	NA	560 J	510	460 J
C1-FLUORANTHENES/PYRENES	NA	NA	1400 J	NA	NA	620 J	565	510 J
C1-FLUORENES	NA	NA	75 U	NA	NA	88 U	87 U	86 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	740 J	NA	NA	590 J	545	500 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	720 J	NA	NA	270 J	260	250 J
C2-FLUORENES	NA	NA	75 U	NA	NA	88 U	87 U	86 U
C2-NAPHTHALENES	NA	NA	75 U	NA	NA	90 J	66.5	86 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	820 J	NA	NA	450 J	430	410 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	240 J	NA	NA	89 J	88.5	88 J
C3-FLUORENES	NA	NA	130 J	NA	NA	88 U	87 U	86 U
C3-NAPHTHALENES	NA	NA	75 U	NA	NA	110 J	76.5	86 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	510 J	NA	NA	240 J	220	200 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	110 J	NA	NA	88 U	87 U	86 U
C4-NAPHTHALENES	NA	NA	90 J	NA	NA	88 U	87 U	86 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	170 J	NA	NA	88 U	87 U	86 U
CHRYSENE	1.4 U	1.4 U	330	1.3 U	590	1800	1800	NA
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	3.7 U	4 U	4.2 U	17 U	17 U	NA
FLUORANTHENE	4.1 U	4.1 U	390 J	24 J	870 J	2900 J	2900 J	NA
FLUORENE	4.1 U	4.1 U	3.7 U	4 U	73 J	280 J	280 J	NA
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	210 J	4 U	270 J	790 J	790 J	NA
NAPHTHALENE	4.1 U	4.1 U	19	4 U	13	17 U	17 U	NA
PHENANTHRENE	4.1 U	4.1 U	130	20 J	800 J	2900 J	2900 J	NA
PYRENE	4.1 U	4.1 U	650 J	13	1500	5200	5200	NA
TOTAL PAHS	0 U	0 U	3262	57	6503	21720	21720	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657	SB-657
SAMPLE ID				G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11	G-SB-657-11-AVG
SAMPLE DATE				20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13	11	11
BOTTOM DEPTH				11	12	13	14	15	11	12	13	11	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		229	284	13891	24163	277	1.6 U	9.8	1.6 U	843	518
BAP EQUIVALENT-POS	22	15	C	229	284	13891	24163	277	1.6 U	8.9	1.6 U	843	518
BENZO(A)ANTHRACENE	220	150	C	130	160	7900	15000	180	1.2 U	1.1 U	1.1 U	470 J	284.5
BENZO(A)PYRENE	22	15	C	160	200	9800	17000	190	1.6 U	8	1.6 U	600 J	370
BENZO(B)FLUORANTHENE	220	150	C	170	220	12000	18000	240	1.5 U	9.1	1.4 U	580 J	360
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	68	80	5200	8600	85	2.1 U	2 U	2 U	320 J	190.5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	150	180	9300	17000	230	1.1 U	1 U	1.1 U	500 J	310
DIBENZO(A,H)ANTHRACENE	22	15	C	29	34	1500	2900	33	1.6 U	1.5 U	1.6 U	100 J	61
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	95	110	5400	8600	110	1.8 U	1.7 U	1.8 U	340 J	208
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		802	984	51100	87100	1068	0 U	17.1	0 U	2910	1784
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A	SB-657B	SB-657B
SAMPLE ID				G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15	G-SB-657B-11	G-SB-657B-13
SAMPLE DATE				20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH				11	12	13	14	15	11	13	15	11	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		194	259	3231	24	4.3	8303	1482	66	28	2150
BAP EQUIVALENT-POS	22	15	C	194	259	3231	23	2.8	8303	1482	65	27	2146
BENZO(A)ANTHRACENE	220	150	C	99 J	120	1500	14	9.4	6600	940	37	23	1600
BENZO(A)PYRENE	22	15	C	140 J	180	2300	19	1.5 U	5700	1000	52	21	1700
BENZO(B)FLUORANTHENE	220	150	C	140 J	190	2600	17	10	6100	1100	57	38	1800
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	61 J	90	950	11	6.8 J	2600	470	20	9.8	760
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	120 J	150	1800	16	1 U	7200	1000	44	20	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	22 J	37	390	1.5 U	1.5 U	1000	210	1.5 U	1.5 U	6.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	76 J	100	1200	12	8.1	3000	620	38	1.7 U	970
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		658	867	10740	89	34.3	32200	5340	248	111.8	8530
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658
SAMPLE ID				G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D	G-SB-658-12	G-SB-658-13	G-SB-658-14
SAMPLE DATE				20091028	20091028	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	11	11	12	13	14
BOTTOM DEPTH				15	11	13	15	11	11	11	12	13	14
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		319	1.5 U	144	85	244	158	73	348	232	201
BAP EQUIVALENT-POS	22	15	C	318	1.5 U	143	85	243	158	73	347	232	201
BENZO(A)ANTHRACENE	220	150	C	250	1.1 U	120	72	210 J	131.5	53 J	280	190	140
BENZO(A)PYRENE	22	15	C	250	1.5 U	110	64	190 J	120	50 J	270	160	140
BENZO(B)FLUORANTHENE	220	150	C	280	1.4 U	140	88	200 J	129.5	59 J	320	180	160
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	2 U	40	30	98 J	58.5	19 J	150	72	61
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	240	1 U	110	67	220 J	140	60 J	320	190	170
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.725	8.7	1.5 U	26	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	140	1.7 U	68	42	110 J	69	28 J	150	82	76
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1270	0 U	588	363	1028	652.85	277.7	1490	900	770
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C	SB-658C	SB-658C	SB-659	SB-659
SAMPLE ID				G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12
SAMPLE DATE				20091002	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	15	11	13	13	13	15	11	12
BOTTOM DEPTH				15	11	15	11	13	13	13	15	11	12
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		55	1.5 U	347	1.5 U	10484	7626	4768	80	265	595
BAP EQUIVALENT-POS	22	15	C	54	1.5 U	347	1.5 U	10484	7626	4768	79	265	595
BENZO(A)ANTHRACENE	220	150	C	47	1.1 U	240	1.1 U	5800 J	4150	2500 J	49	170	350
BENZO(A)PYRENE	22	15	C	42	1.5 U	240	1.5 U	6900 J	5050	3200 J	64	180	400
BENZO(B)FLUORANTHENE	220	150	C	48	1.4 U	270	1.4 U	7900 J	5600	3300 J	59	210	430
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	19	2 U	130	2 U	2800 J	2150	1500 J	46	77	190
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	50	1.1 U	320	1.1 U	6200 J	4400	2600 J	59	190	390
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	40	1.5 U	1800 J	1305	810 J	1.5 U	35	91
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	140	1.8 U	3800 J	2700	1600 J	41	110	240
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		229	0 U	1380	0 U	35200	25355	15510	318	972	2091
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-659	SB-659	SB-659	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D	SB-660
SAMPLE ID				G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11
SAMPLE DATE				20091002	20091002	20091002	20091029	20091029	20091029	20091029	20091029	20091029	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	14	15	11	13	15	11	13	15	11
BOTTOM DEPTH				13	14	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2324	744	19	268	4677	182	1.5 U	447	1.5 U	41
BAP EQUIVALENT-POS	22	15	C	2324	744	18	267	4673	181	1.5 U	446	1.5 U	40
BENZO(A)ANTHRACENE	220	150	C	1400	450	14	230	4000	160	1.1 U	320	1.1 U	29
BENZO(A)PYRENE	22	15	C	1600	530	14	210	3800	140	1.5 U	350	1.5 U	32
BENZO(B)FLUORANTHENE	220	150	C	1800	600	16	200	4000	160	1.4 U	430	1.4 U	30
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	710	200	2 U	160	3000	110	1.9 U	200	2 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1500	470	13	260	5200	170	1 U	350	1 U	31
DIBENZO(A,H)ANTHRACENE	22	15	C	310	79	1.5 U	1.5 U	8.3 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	850	280	9.3	120	380	79	1.7 U	190	1.7 U	18
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8170	2609	66.3	1180	20380	819	0 U	1840	0 U	158
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-660	SB-662	SB-662	SB-662	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671
SAMPLE ID				G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13
SAMPLE DATE				20091002	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	13	11	11	11	11	12	13
BOTTOM DEPTH				12	11	12	13	11	11	11	11	12	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		15	1.6 U	1.6 U	1.6 U	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	15	1.6 U	1.6 U	1.6 U	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	12	1.1 U	1.2 U	1.2 U	1.2 U	1700	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	12	1.6 U	1.6 U	1.6 U	1.6 U	1700	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.4 U	1.5 U	1.5 U	1.5 U	2000	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	2.1 U	2.1 U	960	2.1 U	2.1 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12	1.1 U	1.1 U	1.1 U	1.1 U	2100	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	280	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1100	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		50	0 U	0 U	0 U	0 U	9840	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-671B	SB-671C	SB-671D	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706
SAMPLE ID				G-SB-671B-11	G-SB-671C-11	G-SB-671D-11	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14
SAMPLE DATE				20091111	20091111	20091111	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	11	11	12	15	11	12	13	14
BOTTOM DEPTH				11	11	11	11	12	15	11	12	13	14
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	12	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	11	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	9.8	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	9.5	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.2 U	2.2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	19.3	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-706	SB-716	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID				G-SB-706-15	G-SB-716-11	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG
SAMPLE DATE				20090922	20090923	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	12	15	11	12	13	14	15	15
BOTTOM DEPTH				15	11	12	15	11	12	13	14	15	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	2.6	9.1	2.3 U	2.25 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	0.54	8.2	2.3 U	2.25 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.3 U	1.9 J	6 J	1.3 U	1.3 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	2.2 U	6.2 J	2.3 U	2.25 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	1.4 U	1.6 U	1.6 U	2.1 J	9.3	1.7 U	1.65 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	2 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	1.4 U	2 J	6.8 J	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.8 U	1.8 U	0.43 U	0.43 U	1.4 J	5.1 J	0.45 U	0.445 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	7.4	33.4	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-726	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID				G-SB-726-15-D	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE				20091008	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH				15	11	11	11	11	11	11	11	11	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.2 U	14	**17**	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**35343**	**795**
BAP EQUIVALENT-POS	22	15	C	2.2 U	13	**16**	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**35343**	**795**
BENZO(A)ANTHRACENE	220	150	C	1.3 U	13	1.2 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	**30000**	**630**
BENZO(A)PYRENE	22	15	C	2.2 U	10	14	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**24000**	**540**
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	15	23	4.1 U	1.4 U	1.3 U	1.35 U	1.4 U	**27000**	**610**
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.7 U	2.1 U	2.1 U	5.8 U	2 U	1.9 U	1.95 U	2 U	**11000**	250
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.4 U	13	20	3.1 U	1.1 U	1 U	1 U	1 U	**33000**	690
DIBENZO(A,H)ANTHRACENE	22	15	C	1.8 U	1.6 U	1.6 U	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**4300**	**98**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	0.44 U	1.8 U	1.9 U	5.2 U	1.8 U	1.7 U	1.7 U	1.7 U	**12000**	**300**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	51	57	0 U	0 U	0 U	0 U	0 U	141300	3118
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C	SB-761C
SAMPLE ID				G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11	G-SB-761C-15
SAMPLE DATE				20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	15	15	11	13	15	11	15	11	15
BOTTOM DEPTH				15	15	15	11	13	15	11	15	11	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		817	575	333	95	2231	552	28	547	45	1035
BAP EQUIVALENT-POS	22	15	C	817	575	333	95	2231	552	27	547	44	1035
BENZO(A)ANTHRACENE	220	150	C	630 J	465	300 J	48	970	220	25	500	42	770
BENZO(A)PYRENE	22	15	C	530 J	375	220 J	67	1500	410	21	380	34	650
BENZO(B)FLUORANTHENE	220	150	C	600 J	425	250 J	64	1500	350	22	440	40	820
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	250 J	180	110 J	29	550	170	8.3	210	14	400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	680 J	480	280 J	60	1100	270	27	560	49	970
DIBENZO(A,H)ANTHRACENE	22	15	C	130 J	87	44 J	12	400	56	1.6 U	49	1.6 U	180
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	310 J	220	130 J	42	770	270	13	210	19	410
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		3130	2232	1334	322	6790	1746	116.3	2349	198	4200
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761D	SB-761D	SB-761D
SAMPLE ID				G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE				20091022	20091022	20091022
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				11	13	15
BOTTOM DEPTH				11	13	15
VOLATILES (UG/KG)						
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		234	1125	6375
BAP EQUIVALENT-POS	22	15	C	234	1125	6375
BENZO(A)ANTHRACENE	220	150	C	180	820	4700
BENZO(A)PYRENE	22	15	C	150	780	4400
BENZO(B)FLUORANTHENE	220	150	C	160	890	3900
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	62	320	1900
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	200	1000	5800
DIBENZO(A,H)ANTHRACENE	22	15	C	40	120	880
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	93	500	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		885	4430	23680
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-091
SAMPLE ID				G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-91RE-11
SAMPLE DATE				20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090930
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	12	214	26	30	20	30	12	12	11
BOTTOM DEPTH				14	13	214	26	30	20	30	12	12	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	0.65 U	6 U	5.9 U	6.2 U	1.3 J	6 UL	6 UL	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	0.42 U	6 U	5.9 U	1.6 J	1.3 J	6 UL	6 UL	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	0.6 U	6 U	5.9 U	5 J	7.4	6 UL	6 UL	NA
2-BUTANONE	4700000	2800000	N	NA	NA	27	12 U	12 U	12 U	12 U	57 UL	57 UL	NA
ACETONE	7000000	6100000	N	NA	NA	64 B	12 U	8 J	7.8 J	9.7 J	57 UL	57 UL	NA
BENZENE	12000	1100	C	NA	NA	0.52 J	6 U	5.9 U	6.2 U	0.29 J	6 UL	6 UL	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	0.42 U	6 U	0.87 J	4.1 J	3.5 J	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400	C	NA	NA	0.41 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	0.99 B	16 B	14 B	4.7 B	4.6 B	9 J	11 J	NA
N-BUTYLBENZENE	NC	NC		NA	NA	0.35 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	0.59 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	1.5 J	12 U	12 U	12 U	12 U	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	0.49 U	6 U	4 J	17	64	6 UL	7 L	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	960 J	980 J	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ACENAPHTHENE	470000	340000	N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ACENAPHTHYLENE	470000	340000	N[5]	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ANTHRACENE	2300000	1700000	N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
BAP EQUIVALENT-HALFND	22	15		32	NA	NA	NA	NA	NA	NA	390 U	411	1.5 U
BAP EQUIVALENT-POS	22	15	C	30	NA	NA	NA	NA	NA	NA	390 U	12	1.5 U
BENZO(A)ANTHRACENE	220	150	C	8.4	NA	NA	NA	NA	NA	NA	390 UJ	47 J	1.1 U
BENZO(A)PYRENE	22	15	C	26 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	9.9	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	390 UJ	74 J	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	10	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	10	NA	NA	NA	NA	NA	NA	390 UJ	51 J	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.5 U
FLUORANTHENE	310000	230000	N	8.5	NA	NA	NA	NA	NA	NA	390 UJ	110 J	NA
FLUORENE	310000	230000	N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	22 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.8 U
NAPHTHALENE	160000	3600	C	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
PHENANTHRENE	2300000	170000	N[7]	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	89 J	NA
PYRENE	230000	170000	N	16	NA	NA	NA	NA	NA	NA	390 UJ	89 J	NA
TOTAL PAHS	NC	NC		110.8	NA	NA	NA	NA	NA	NA	0 U	460	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	0.28 J	0.096 B	0.12 B	0.095 B	2.6 UL	2.6 UL	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	0.32 L	0.19 L	1.1 L	0.24 L	0.98	0.51 U	NA
BARIUM	1600	1500	N	NA	NA	NA	9.7	6.6	11.8	6	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	0.7	0.63	0.8	0.48	2.6 U	2.6 U	NA
CADMIUM	3.9	7	N	NA	NA	NA	0.012 B	0.0085 B	0.12	0.0081 B	2.6 U	2.6 U	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	8.9 J	9.1 J	10.6 J	9.1 J	14	11	NA
COBALT	NC	2.3	N	NA	NA	NA	3.1 J	2.9 J	8.1 J	2.1 J	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	5.7 J	4.8 J	8.1 J	4.6 J	12	12	NA
IRON	5500	5500	N	NA	NA	NA	21600 J	8400 J	10300 J	6100 J	NA	NA	NA
LEAD	400	400		NA	NA	NA	4 J	2.5 J	4.5 J	2.8 J	15 J	16 J	NA
MANGANESE	160	180	N	NA	NA	NA	156 J	76.1 J	137 J	30.6 J	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	6.6 J	5.2 J	17 J	4.5 J	26 J	13 J	NA
SELENIUM	39	39	N	NA	NA	NA	0.24 L	0.19 UL	0.22 L	0.19 UL	2.6 UL	2.6 UL	NA
SILVER	39	39	N	NA	NA	NA	0.089	0.047	0.056	0.03 B	2.6 UR	2.6 UR	NA
THALLIUM	0.55	NC		NA	NA	NA	0.05	0.034	0.043	0.031	2.1 U	2 U	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	10.1 J	11.8 J	18.8 J	19.2 J	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	13.8 K	11.8 K	26.4 K	10.5 K	110	39	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	13000 J	11000 UJ	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	82.9	84.2	80.5	83.9	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	1320	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091 G-SB-91RE-12 20090930 NORMAL SO NORMAL SB 12 12	SB-091 G-SB-91RE-13 20090930 NORMAL SO NORMAL SB 13 13	SB-091 G-SB-91RE-14 20090930 NORMAL SO NORMAL SB 14 14	SB-091 G-SB-91RE-15 20090930 NORMAL SO NORMAL SB 15 15	SB-091A G-SB-91REA-11 20091030 NORMAL SO NORMAL SB 11 11	SB-091A G-SB-91REA-13 20091030 NORMAL SO NORMAL SB 13 13	SB-091A G-SB-91REA-15 20091030 NORMAL SO NORMAL SB 15 15	SB-091B G-SB-91REB-11 20091102 NORMAL SO NORMAL SB 11 11	SB-091B G-SB-91REB-13 20091102 NORMAL SO NORMAL SB 13 13	SB-091B G-SB-91REB-15 20091102 NORMAL SO NORMAL SB 15 15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**19**	**1458**	**110**	1.6 U	1.5 U	**84**	1.6 U	**19**	**621**	1.6 U
BAP EQUIVALENT-POS	22	15	C	**19**	**1458**	**110**	1.6 U	1.5 U	**83**	1.6 U	**18**	**620**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	10	**620**	44	1.2 U	1.1 U	58	1.2 U	1.1 U	**340**	1.1 U
BENZO(A)PYRENE	22	15	C	14	**950**	**66**	1.6 U	1.5 U	**65**	1.6 U	**18**	**490**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	16	**940**	74	1.5 U	1.4 U	73	1.5 U	1.4 U	**540**	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	450	24	2.1 U	2 U	24	2.1 U	2 U	280	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	11	770	53	1.1 U	1 U	62	1.1 U	1.1 U	420	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**290**	**26**	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	21	**570**	57	1.8 U	1.7 U	48	1.8 U	1.8 U	**390**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		72	4590	344	0 U	0 U	330	0 U	18	2460	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092	SB-092
SAMPLE ID				G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	15	15	11	12	13	14	15
BOTTOM DEPTH				11	13	15	15	15	11	12	13	14	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		69	1.6 U	205	189	173	1.6 U	1.5 U	308	951	649
BAP EQUIVALENT-POS	22	15	C	69	1.6 U	205	189	173	1.6 U	1.5 U	308	951	649
BENZO(A)ANTHRACENE	220	150	C	32	1.1 U	67	63	59	1.1 U	1.1 U	210	550	320
BENZO(A)PYRENE	22	15	C	54	1.6 U	140	130	120	1.6 U	1.5 U	200	650	430
BENZO(B)FLUORANTHENE	220	150	C	75	1.5 U	180	160	140	1.4 U	1.4 U	230	660	480
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	2.1 U	64	69	74	2 U	2 U	62	330	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	35	1.1 U	85	76	67	1.1 U	1.1 U	210	530	390
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	29	26.5	24	1.6 U	1.5 U	51	140	110
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	36	1.8 U	110	98	86	1.8 U	1.8 U	120	360	270
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		263	0 U	675	622.5	570	0 U	0 U	1083	3220	2180
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	3.4	2.1	3.7	4.1	5.6
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-762	SB-762	SB-762	SB-762A
SAMPLE ID				G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091001	20091001	20091001	20091022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	104	1.5 U	42	1450	201	398	4782	67	125
BAP EQUIVALENT-POS	22	15	C	1.6 U	104	1.5 U	41	1449	200	398	4782	66	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	59	1.1 U	30	870	130	230	3100	50	110
BENZO(A)PYRENE	22	15	C	1.6 U	76	1.5 U	33	1200	160	270	3200	51	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	66	1.4 U	31	1000	170	310	3900	61	95
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	38	1.9 U	16	360	62	110	1900	24	38
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	67	1 U	34	1100	150	280	3100	54	100
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	10	1.5 U	1.5 U	1.6 U	1.7 U	55	670	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	48	1.7 U	19	570	95	180	1900	34	55
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	364	0 U	163	5100	767	1435	17770	274	496
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D
SAMPLE ID				G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15
SAMPLE DATE				20091022	20091022	20091023	20091023	20091023	20091023	20091023	20091022	20091022	20091022
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	15	11	11	11	13	15	11	13	15
BOTTOM DEPTH				13	15	11	11	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**88**	**13293**	**219**	**211**	**203**	**319**	**2188**	**11506**	**2713**	**59**
BAP EQUIVALENT-POS	22	15	C	**87**	**13293**	**219**	**211**	**203**	**319**	**2188**	**11506**	**2713**	**59**
BENZO(A)ANTHRACENE	220	150	C	68	**9500**	120	125	130	**200**	**1700**	**6900**	**1600**	36
BENZO(A)PYRENE	22	15	C	**69**	**8900**	**150**	**145**	**140**	**220**	**1500**	**7900**	**1900**	**47**
BENZO(B)FLUORANTHENE	220	150	C	68	**10000**	**180**	**165**	150	**270**	**1700**	**8300**	**2100**	47
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	36	**4200**	69	76.5	84	110	720	**3800**	1100	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	83	11000	180	175	170	260	1900	7700	1900	50
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	**1900**	**28**	**27**	**26**	**38**	**260**	**1600**	**330**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	43	**4900**	100	89.5	79	130	**790**	**4400**	**1000**	29
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		367	50400	827	803	779	1228	8570	40600	9930	234
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C
SAMPLE ID				G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11
SAMPLE DATE				20091001	20091002	20091002	20091023	20091023	20091023	20091027	20091027	20091027	20091023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		84	992	2863	3334	1.5 U	19	29	49	184	3345
BAP EQUIVALENT-POS	22	15	C	84	992	2863	3334	1.5 U	18	28	48	183	3338
BENZO(A)ANTHRACENE	220	150	C	49	700	1400	1900	1.1 U	15	19	38	110	3100
BENZO(A)PYRENE	22	15	C	47	700	2000	2300	1.5 U	14	23	38	150	2600
BENZO(B)FLUORANTHENE	220	150	C	58	730	1800	2300	1.4 U	14	18	39	130	2700
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	21	310	1100	1200	2 U	2.1 U	14	20	83	1400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	53	750	1600	2300	1.1 U	17	24	41	120	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	22	110	410	480	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	38	350	1200	1200	1.8 U	8.3	13	22	81	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		288	3650	9510	11680	0 U	68.3	111	198	674	14800
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763C	SB-763C	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C
SAMPLE ID				G-SB-763C-13	G-SB-763C-15	G-SB-763D-11	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11
SAMPLE DATE				20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002	20091027	20091027
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	15	11	13	15	11	13	15	11	11
BOTTOM DEPTH				13	15	11	13	15	11	13	15	11	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		12086	8745	1.6 U	1.6 U	1.8 U	67	27	1.6 U	2470	44
BAP EQUIVALENT-POS	22	15	C	12045	8745	1.6 U	1.6 U	1.8 U	66	26	1.6 U	2470	43
BENZO(A)ANTHRACENE	220	150	C	12000	6800	1.2 U	1.2 U	1.3 U	48	16	1.1 U	1800	34
BENZO(A)PYRENE	22	15	C	9200	6100	1.6 U	1.6 U	1.8 U	53	21	1.6 U	1700	34
BENZO(B)FLUORANTHENE	220	150	C	11000	6900	1.5 U	1.5 U	1.7 U	52	21	1.4 U	1700	36
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	5300	2700	2.1 U	2.1 U	2.3 U	26	12	2 U	850	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12000	8000	1.1 U	1.1 U	1.2 U	57	16	1.1 U	1900	40
DIBENZO(A,H)ANTHRACENE	22	15	C	81 U	950	1.6 U	1.6 U	1.8 U	1.5 U	1.6 U	1.6 U	320	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4800	2900	1.8 U	1.8 U	2.1 U	30	12	1.8 U	900	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		54300	34350	0 U	0 U	0 U	266	98	0 U	9170	177
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764D	SB-765	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804
SAMPLE ID				G-SB-764D-11	G-SB-765-11	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15
SAMPLE DATE				20091027	20091002	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				11	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	31
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	14 J	51
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	3.8 U	44	23	4.2 U	37	49
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	3.8 U	88 J	55 J	33	130	240
BAP EQUIVALENT-HALFND	22	15		57	1.5 U	17	1.7 U	3.8 U	352	219	187	662	1237
BAP EQUIVALENT-POS	22	15	C	56	1.5 U	16	1.7 U	3.8 U	350	217	185	658	1237
BENZO(A)ANTHRACENE	220	150	C	53	1.1 U	15	1.3 U	3.8 U	260	160	200	630	1100
BENZO(A)PYRENE	22	15	C	44	1.5 U	13	1.7 U	3.8 U	270 J	170 J	140	500	840
BENZO(B)FLUORANTHENE	220	150	C	39	1.4 U	15	1.6 U	3.8 U	350 J	190 J	150	620	930
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	3.8 U	240 J	140 J	120	410	660
BENZO(K)FLUORANTHENE	2200	1500	C	32	2 U	2.2 U	2.2 U	3.8 U	140 J	96 J	86	310	500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	64	1.1 U	16	1.2 U	1.3 U	320	170	220	730	1200
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.7 U	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	140
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	3.8 U	380 J	210 J	340	1100	2100
FLUORENE	310000	230000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	24	70
INDENO(1,2,3-CD)PYRENE	220	150	C	26	1.8 U	2 U	2 U	3.8 U	170 J	110 J	89	290	480
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	3.8 U	150 J	90 J	250	630	1500
PYRENE	230000	170000	N	NA	NA	NA	NA	3.8 U	690	400	530	1900	3400
TOTAL PAHS	NC	NC		258	0 U	59	0 U	0 U	3102	1814	2158	7325	13260
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-805	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID				G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE				20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH				11	13	15	11	15	11	13	15	11	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	4 U	4.1 U	4.1 U	4 U	20	4 U	4.1 U	4.2 U	3.7 U	7.5 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4.1 U	4.1 U	4 U	30	4 U	4.1 U	4.2 U	3.7 U	7.5 U
ACENAPHTHENE	470000	340000	N	4 U	4.1 U	4.1 U	4 U	36 J	4 U	4.1 U	4.2 U	3.7 U	18
ACENAPHTHYLENE	470000	340000	N[5]	4 U	4.1 U	4.1 U	9.1	84	4 U	4.1 U	4.2 U	3.7 U	66
ANTHRACENE	2300000	1700000	N	4 U	4.1 U	4.1 U	30 J	170 J	4 U	4.1 U	4.2 U	9.1	140
BAP EQUIVALENT-HALFND	22	15		4 U	4.1 U	4.1 U	**92**	**780**	4 U	**74**	4.2 U	**127**	**1457**
BAP EQUIVALENT-POS	22	15	C	4 U	4.1 U	4.1 U	**90**	**778**	4 U	**72**	4.2 U	**127**	**1457**
BENZO(A)ANTHRACENE	220	150	C	4 U	4.1 U	4.1 U	59	**580**	4 U	46	4.2 U	73	**780**
BENZO(A)PYRENE	22	15	C	4 U	4.1 U	4.1 U	**71 J**	**610 J**	4 U	**58**	4.2 U	**85**	**950**
BENZO(B)FLUORANTHENE	220	150	C	4 U	4.1 U	4.1 U	76 J	**730 J**	4 U	57	4.2 U	95	**1000**
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	4.1 U	4.1 U	61 J	390 J	4 U	55	4.2 U	82	950
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	4.1 U	4.1 U	40 J	300 J	4 U	32	4.2 U	36	420
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-FLUORENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	1.4 U	67	690	1.3 U	67	1.4 U	85	1000
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	**19**	**260**
FLUORANTHENE	310000	230000	N	19	4.1 U	8.4	100 J	850 J	4 U	78	4.2 U	87	970
FLUORENE	310000	230000	N	4 U	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	3.7 U	22
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	4.1 U	4.1 U	51 J	**330 J**	4 U	34	4.2 U	56	**640**
NAPHTHALENE	160000	3600	C	4 U	4.1 U	4.1 U	4 U	37	4 U	4.1 U	4.2 U	3.7 U	7.5 U
PHENANTHRENE	2300000	170000	N[7]	12	4.1 U	4.1 U	57 J	380 J	4 U	25	4.2 U	21	250
PYRENE	230000	170000	N	32	4.1 U	13	150	1600	4 U	120	4.2 U	160	1800
TOTAL PAHS	NC	NC		63	0 U	21.4	771.1	6817	0 U	572	0 U	808.1	9266
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811
SAMPLE ID				G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13	G-SB-811-15
SAMPLE DATE				20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ACENAPHTHENE	470000	340000	N	4 U	3.8 U	72 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N[5]	4 U	3.8 U	51	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ANTHRACENE	2300000	1700000	N	4 U	3.8 U	190 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15		4 U	3.8 U	1826	5.9	4.2 U	16	21	4.3 U	24	4.1 U
BAP EQUIVALENT-POS	22	15	C	4 U	3.8 U	1826	1.1	4.2 U	13	19	4.3 U	22	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4 U	3.8 U	1200	11	4.2 U	12	16	4.3 U	18	4.1 U
BENZO(A)PYRENE	22	15	C	4 U	3.8 U	1300 J	4.3 U	4.2 U	11	16	4.3 U	18	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.8 U	1400 J	4.3 U	4.2 U	12	16	4.3 U	17	4.1 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	3.8 U	880 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.8 U	610 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1500	13	1.4 U	15	15	1.4 U	23	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.8 U	200 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
FLUORANTHENE	310000	230000	N	4 U	3.8 U	1800 J	31 J	4.2 U	16	15	4.3 U	26	4.1 U
FLUORENE	310000	230000	N	4 U	3.8 U	75 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.8 U	580 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
NAPHTHALENE	160000	3600	C	4 U	3.8 U	25	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4 U	3.8 U	540 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	13	4.1 U
PYRENE	230000	170000	N	4 U	3.8 U	3500	25	4.2 U	29	32	15	41	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	13923	80	0 U	95	110	15	156	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID				G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE				20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	15	11	13	15	15	15
BOTTOM DEPTH				11	15	11	13	15	15	15
VOLATILES (UG/KG)										
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	7.9	4 U	31	120	120	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	14	4 U	25	17 U	17 U	NA
ACENAPHTHENE	470000	340000	N	4.1 U	3.7 U	4 U	53 J	210 J	210 J	NA
ACENAPHTHYLENE	470000	340000	N[5]	4.1 U	33	4 U	49	190	190	NA
ANTHRACENE	2300000	1700000	N	4.1 U	66	4 U	170 J	630 J	630 J	NA
BAP EQUIVALENT-HALFND	22	15		4.1 U	**409**	4 U	**607**	**1957**	**1957**	NA
BAP EQUIVALENT-POS	22	15	C	4.1 U	**408**	4 U	**605**	**1948**	**1948**	NA
BENZO(A)ANTHRACENE	220	150	C	4.1 U	**280**	4 U	**520**	**1700**	**1700**	NA
BENZO(A)PYRENE	22	15	C	4.1 U	**320 J**	4 U	**470 J**	**1500 J**	**1500 J**	NA
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	**370 J**	4 U	**530 J**	**1900 J**	**1900 J**	NA
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	320	4 U	370 J	1000 J	1000 J	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	130	4 U	200 J	720 J	720 J	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	1300 J	NA	NA	560 J	510	460 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	1400 J	NA	NA	620 J	565	510 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	740 J	NA	NA	590 J	545	500 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	720 J	NA	NA	270 J	260	250 J
C2-NAPHTHALENES	NC	NC		NA	75 U	NA	NA	90 J	66.5	86 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	820 J	NA	NA	450 J	430	410 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	240 J	NA	NA	89 J	88.5	88 J
C3-FLUORENES	NC	NC		NA	130 J	NA	NA	88 U	87 U	86 U
C3-NAPHTHALENES	NC	NC		NA	75 U	NA	NA	110 J	76.5	86 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	510 J	NA	NA	240 J	220	200 J
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	110 J	NA	NA	88 U	87 U	86 U
C4-NAPHTHALENES	NC	NC		NA	90 J	NA	NA	88 U	87 U	86 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	170 J	NA	NA	88 U	87 U	86 U
CHRYSENE	22000	15000	C	1.4 U	330	1.3 U	590	1800	1800	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	3.7 U	4 U	4.2 U	17 U	17 U	NA
FLUORANTHENE	310000	230000	N	4.1 U	390 J	24 J	870 J	2900 J	2900 J	NA
FLUORENE	310000	230000	N	4.1 U	3.7 U	4 U	73 J	280 J	280 J	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	**210 J**	4 U	**270 J**	**790 J**	**790 J**	NA
NAPHTHALENE	160000	3600	C	4.1 U	19	4 U	13	17 U	17 U	NA
PHENANTHRENE	2300000	170000	N[7]	4.1 U	130	20 J	800 J	2900 J	2900 J	NA
PYRENE	230000	170000	N	4.1 U	650 J	13	1500	5200	5200	NA
TOTAL PAHS	NC	NC		0 U	3262	57	6503	21720	21720	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value for acenaphthene is used as a surrogate for acenaphthylene.
6 - The value is for benzo(b)fluoranthene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,1-TRICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,2-TRICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	1.9 U	1.3 B	NA	NA	2 B	1.3 B	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	3.8 U	4.5 U	NA	NA	5.5 U	3.9 U	NA	NA	6 U
1,2-DIBROMOETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	NA
1,3-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3-DICHLOROPROPENE	3.84 U	4.5 U	NA	NA	5.46 U	3.91 U	NA	NA	NA
1,4-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,4-DIOXANE	95.9 U	113 U	NA	NA	136 U	97.7 U	NA	NA	NA
2,2-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
2-BUTANONE	9.19	29.4	NA	NA	13.2	13	NA	NA	29 UR
2-CHLOROETHYL VINYL ETHER	1.9 UR	2.3 UR	NA	NA	2.7 UR	2 UR	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-HEXANONE	7.67 U	9 U	NA	NA	10.9 U	7.82 U	NA	NA	29 U
4-CHLOROTOLUENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	6 U
4-ISOPROPYLTOLUENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
4-METHYL-2-PENTANONE	7.7 U	9 U	NA	NA	10.9 U	7.8 U	NA	NA	29 U
ACETONE	107 J	210 J	NA	NA	138 J	157 J	NA	NA	27 B
BENZENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	6 U
BROMOBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOCHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMODICHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOFORM	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
CARBON DISULFIDE	1.7 J	2.3 U	NA	NA	3	2	NA	NA	3 J
CARBON TETRACHLORIDE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLORODIBROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
CHLOROFORM	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 UJ
CIS-1,2-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
DIBROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
DICHLORODIFLUOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
DIISOPROPYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ETHYL TERT-BUTYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ETHYLBENZENE	1.9 U	1.5 J	NA	NA	2.7 U	0.31 J	NA	NA	6 U
FLUORODICHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	NA
HEXACHLOROBUTADIENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ISOPROPYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
M+P-XYLENES	3.8 U	4.5 U	NA	NA	5.5 U	3.9 U	NA	NA	11 U
METHYL TERT-BUTYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
METHYLENE CHLORIDE	3.8 U	2.9 J	NA	NA	4.9 J	3 J	NA	NA	13 B
NAPHTHALENE	35.4	0.94 B	NA	NA	2.7 U	2 B	NA	NA	6 U
N-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
N-PROPYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
O-XYLENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
SEC-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
STYRENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERT-AMYL METHYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERT-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	5 J	7 J	NA	NA	11 U	8 U	NA	NA	11 UR
TETRACHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TOLUENE	1.9 U	7.8	NA	NA	13.3	8	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	11 U
TOTAL XYLENES	5.8 U	6.8 U	NA	NA	8.2 U	5.9 U	NA	NA	17 U
TRANS-1,2-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TRICHLOROETHENE	1.9 U	2.9	NA	NA	4.8	3.4	NA	NA	6 U
TRICHLOROFLUOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
VINYL ACETATE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
VINYL CHLORIDE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,2-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,3-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,4-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,4-DIOXANE	373 U	440 U	NA	NA	378 U	364 U	NA	NA	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
2,4,5-TRICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
2,4,6-TRICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DIMETHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DINITROPHENOL	565 U	666 U	NA	NA	572 U	552 U	NA	NA	940 U
2,4-DINITROTOLUENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
2,6-DINITROTOLUENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
2-CHLORONAPHTHALENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
2-CHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2-NITROANILINE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	940 U
2-NITROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
3&4-METHYLPHENOL	757 U	893 U	NA	NA	767 U	739 U	NA	NA	380 U
3,3'-DICHLOROBENZIDINE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
3-NITROANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
4,6-DINITRO-2-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
4-BROMOPHENYL PHENYL ETHER	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
4-CHLORO-3-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
4-CHLOROANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
4-CHLOROPHENYL PHENYL ETHER	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	940 U
4-NITROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	757 U	893 U	NA	NA	767 U	739 U	NA	NA	940 U
BENZOIC ACID	100 J	723 J	NA	NA	767 U	67.4 J	NA	NA	940 UJ
BENZYL ALCOHOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 UJ
BIS(2-CHLOROETHOXY)METHANE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
BIS(2-CHLOROETHYL)ETHER	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
BUTYL BENZYL PHTHALATE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
DIBENZOFURAN	27 J	133 U	NA	NA	114 U	110 U	NA	NA	380 U
DIETHYL PHTHALATE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
DIMETHYL PHTHALATE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
DI-N-BUTYL PHTHALATE	192 U	227 U	NA	NA	195 U	31 J	NA	NA	380 U
DI-N-OCTYL PHTHALATE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
HEXACHLOROBENZENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
HEXACHLOROBUTADIENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
HEXACHLOROCYCLOPENTADIENE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
HEXACHLOROETHANE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
ISOPHORONE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
NITROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
N-NITROSODIMETHYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
N-NITROSO-DI-N-PROPYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
N-NITROSODIPHENYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
PENTACHLOROPHENOL	950 U	1120 U	NA	NA	961 U	927 U	NA	NA	940 U
PHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
PYRIDINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	183	93.3 U	NA	NA	80.1 U	77.2 U	NA	NA	380 U
2-METHYLNAPHTHALENE	161	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ACENAPHTHENE	125	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ACENAPHTHYLENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ANTHRACENE	283	93 U	NA	NA	80 U	40 J	NA	NA	380 U
BAP EQUIVALENT-HALFND	499	100	NA	NA	80 U	108	165	145	380 U
BAP EQUIVALENT-POS	499	49	NA	NA	80 U	70	165	145	380 U
BENZO(A)ANTHRACENE	372	35 J	NA	NA	80 U	60 J	120	110	380 U
BENZO(A)PYRENE	367	40 J	NA	NA	80 U	57 J	98	84	380 U
BENZO(B)FLUORANTHENE	205	46 J	NA	NA	80 U	30 J	130	100	380 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	159	93 U	NA	NA	80 U	37 J	NA	NA	380 U
BENZO(K)FLUORANTHENE	284	42 J	NA	NA	80 U	48 J	41	45	380 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	407	49 J	NA	NA	80 U	69 J	140	120	380 U
DIBENZO(A,H)ANTHRACENE	56 J	93 U	NA	NA	80 U	77 U	35	33	380 U
FLUORANTHENE	840	80 J	NA	NA	80 U	132	NA	NA	380 U
FLUORENE	159	93 U	NA	NA	80 U	28 J	NA	NA	380 U
INDENO(1,2,3-CD)PYRENE	147	93 U	NA	NA	80 U	34 J	67	63	380 U
NAPHTHALENE	239	93 U	NA	NA	80 U	77 U	NA	NA	380 U
PHENANTHRENE	1020	46 J	NA	NA	80 U	130	NA	NA	380 U
PYRENE	869	66 J	NA	NA	32 J	131	NA	NA	380 U
TOTAL PAHS	5693	404	NA	NA	32	796	631	555	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1221	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1232	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1242	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1248	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1254	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1260	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	0 U	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.9	1	NA	NA	0.6	1	NA	NA	0.4 UR
ARSENIC	0.7 U	6	NA	NA	0.7	1	NA	NA	6.1
BARIUM	25	74	NA	NA	23	38	NA	NA	29.2
BERYLLIUM	0.5	1.4	NA	NA	0.3	0.6	NA	NA	1.2
CADMIUM	0.09	0.5	NA	NA	0.2	0.06	NA	NA	0.04 U
CHROMIUM	8.8	24.8	NA	NA	7.8	12.1	NA	NA	23.9 K
COBALT	2.8	19.7	NA	NA	3.3	8.5	NA	NA	6
COPPER	6	9	NA	NA	6	5	NA	NA	7.3 K
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	7	18	NA	NA	6	6	NA	NA	7.5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.4 L	1.14 L	0.15	0.019 U	0.06 L	0.04 L	NA	NA	0.01
MOLYBDENUM	0.6 U	0.9 B	NA	NA	0.4 B	0.5 U	NA	NA	0.6 B
NICKEL	7	11	NA	NA	7	13	NA	NA	11.6
SELENIUM	2 U	2 U	NA	NA	2	2 U	NA	NA	0.35 UL
SILVER	0.06 U	0.06 U	NA	NA	0.04 U	0.1 B	NA	NA	0.1 U
THALLIUM	1 U	1 U	NA	NA	0.8 U	0.9 U	NA	NA	0.59 U
VANADIUM	14.5	34.7	NA	NA	13.1	20.4	NA	NA	32.8 K
ZINC	20	45	NA	NA	18	35	NA	NA	38.8 K
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
DIESEL RANGE ORGANICS	168000	242000	NA	NA	223000	37300	NA	NA	NA
GASOLINE RANGE ORGANICS	6130 B	13300 U	NA	NA	11500 U	6480 B	NA	NA	12000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	3300 J
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	87
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.4 U	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	6	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	0.219 J	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	6 UJ	6 UJ	6 UJ	6 UJ	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	6 U	0.4 J	6 U	6 U	5 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-BUTANONE	NA	NA	NA	NA	29 UR	4 J	30 UR	8 J	27 UR
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-HEXANONE	NA	NA	NA	NA	29 U	28 UJ	30 U	28 U	27 U
4-CHLOROTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	29 U	28 UJ	30 U	28 U	27 U
ACETONE	NA	NA	NA	NA	59 L	69 J	39 L	75 L	27 UR
BENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOFORM	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
CARBON DISULFIDE	NA	NA	NA	NA	2 J	6 UJ	2 J	3 J	5 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
CHLOROFORM	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROMETHANE	NA	NA	NA	NA	12 U	3 J	12 U	11 UJ	11 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
DIBROMOMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
DIISOPROPYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ETHYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ISOPROPYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
M+P-XYLENES	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
METHYLENE CHLORIDE	NA	NA	NA	NA	6 U	4 B	3 B	8 B	16 B
NAPHTHALENE	NA	NA	NA	NA	6 U	180 J	5 J	2 J	5 U
N-BUTYLBENZENE	NA	NA	NA	NA	6 U	0.9 J	6 U	6 U	5 U
N-PROPYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
O-XYLENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
STYRENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	12 UR	11 UR	12 UR	11 UR	11 UR
TETRACHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
TOTAL XYLENES	NA	NA	NA	NA	18 U	17 UJ	18 U	17 U	16 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
VINYL ACETATE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,4-DIOXANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DINITROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-CHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-NITROANILINE	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2-NITROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3&4-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3-NITROANILINE	NA	NA	NA	NA	960 U	930 UJ	990 U	920 U	890 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLOROANILINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	960 U	930 UJ	990 U	920 U	890 U
4-NITROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
BENZOIC ACID	NA	NA	NA	NA	960 U	930 UJ	990 UJ	920 UJ	890 U
BENZYL ALCOHOL	NA	NA	NA	NA	390 UR	380 UJ	400 UJ	370 UJ	360 UR
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIBENZOFURAN	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIETHYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 UJ
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROETHANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ISOPHORONE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
NITROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	390 U	380 UJ	400 U	370 U	360 U
PENTACHLOROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
PHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
PYRIDINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	210 J	400 U	370 U	360 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	180 J	400 U	370 U	360 U
ACENAPHTHENE	NA	NA	NA	NA	130 J	110 J	400 U	370 U	360 U
ACENAPHTHYLENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ANTHRACENE	NA	NA	NA	NA	210 J	170 J	400 U	370 U	360 U
BAP EQUIVALENT-HALFND	23981	31	68	21482	564	415	400 U	370 U	360 U
BAP EQUIVALENT-POS	23981	31	68	21468	367	206	400 U	370 U	360 U
BENZO(A)ANTHRACENE	16000	32	54	20000	350 J	200 J	400 U	370 U	360 U
BENZO(A)PYRENE	17000	23	54	17000	290 J	170 J	400 U	370 U	360 U
BENZO(B)FLUORANTHENE	19000	26	51	16000	250 J	150 J	400 U	370 U	360 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	180 J	380 U	400 U	370 U	360 U
BENZO(K)FLUORANTHENE	6500	13	25	7700	390 U	75 J	400 U	370 U	360 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16000	36	66	21000	420	220 J	400 U	370 U	360 U
DIBENZO(A,H)ANTHRACENE	2600	1.5 U	1.5 U	27 U	390 U	380 U	400 U	370 U	360 U
FLUORANTHENE	NA	NA	NA	NA	590	450	400 U	370 U	360 U
FLUORENE	NA	NA	NA	NA	180 J	170 J	400 U	370 U	360 U
INDENO(1,2,3-CD)PYRENE	8000	16	28	7700	170 J	380 U	400 U	370 U	360 U
NAPHTHALENE	NA	NA	NA	NA	390 U	200 J	400 U	370 U	360 U
PHENANTHRENE	NA	NA	NA	NA	1000	840	400 U	370 U	360 U
PYRENE	NA	NA	NA	NA	970	590	400 U	370 U	360 U
TOTAL PAHS	85100	146	278	89400	4740	3525	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1221	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1232	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1242	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1248	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1254	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1260	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	0.4 UL	0.38 UL	0.71 UL	0.35 UL	0.34 U
ARSENIC	NA	NA	NA	NA	2 B	1.2 B	4.8 B	2.8 B	1.7
BARIUM	NA	NA	NA	NA	39.8	16.3	19.9	38.4	20.9
BERYLLIUM	NA	NA	NA	NA	0.23	0.46	1.3	0.56	0.43
CADMIUM	NA	NA	NA	NA	0.04 U	0.04 U	0.07 U	0.03 U	0.36 U
CHROMIUM	NA	NA	NA	NA	11.2	8.9	22.4	30.7	11.7
COBALT	NA	NA	NA	NA	4.5	5.4	6.6	7.4	4.4
COPPER	NA	NA	NA	NA	8.2	5.4	13.6	4.5	5.8
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	4	3.4	5.9	7.3	5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.01 U	0.02	0.01 U	0.01	0.03
MOLYBDENUM	NA	NA	NA	NA	0.3	0.2	0.38	0.54	0.34
NICKEL	NA	NA	NA	NA	6	8.1	15	5.1	9.3
SELENIUM	NA	NA	NA	NA	0.35 U	0.33 U	0.62 U	0.3 U	0.29 UL
SILVER	NA	NA	NA	NA	0.1 UL	0.1 UL	0.09 UL	0.09 UL	0.41 L
THALLIUM	NA	NA	NA	NA	0.6 U	0.57 U	1.4 B	0.52 U	0.5 U
VANADIUM	NA	NA	NA	NA	19.3	14.2	37.9	18.7	17.4
ZINC	NA	NA	NA	NA	18.6	18.2	33.4	16.3	20
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	3200	2800 U	2900 U	2800 U	2600 U
TPH (C09-C36)	NA	NA	NA	NA	22000	34000	6100 U	30000	12000
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	85	88	82	89	92
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	28 UR	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	28 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	28 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	28 UR	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	14 B	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	11 UR	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	16 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
VINYL CHLORIDE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	900 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	360 U	26	69	1.4 U	1.5 U	11	1.5 U	1.5 U	15
BAP EQUIVALENT-POS	360 U	26	69	1.4 U	1.5 U	11	1.5 U	1.5 U	15
BENZO(A)ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	360 U	26 J	69 J	1.4 U	1.5 U	11 J	1.5 U	1.5 U	15 J
BENZO(B)FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	26	69	0 U	0 U	11	0 U	0 U	15
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	19 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.39 U	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	20.1	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.37 B	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.42 U	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	11.1	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	2.9	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	4.7	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.8	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01	0.091	0.036	0.019 U	0.04	0.02 U	0.019 U	0.019 U	0.019 U
MOLYBDENUM	0.55 K	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	7.5	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.34 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.42 UL	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.59 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	15.7	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	15.9	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2700 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	14000	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	89.1	86.3	89.9	88.4	85	89.5	88.8	89.1
TOTAL SOLIDS	91	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	52	1.6 U	1.5 U	1.5 U	24	1.5 U	1.5 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	52	1.6 U	1.5 U	1.5 U	24	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	52 J	1.6 U	1.5 U	1.5 U	24 J	1.5 U	1.5 U	1.5 U	1.4 UJ
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	52	0 U	0 U	0 U	24	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.48	0.021 UL	0.019 UL	0.019 UL	0.02 U	0.019 U	0.019 U	0.019 U	0.018 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.9	80.5	86.3	89.3	85.1	88.4	87.7	88.6	90.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15	1.5 U	31	13	32	21	10	370 U	370 U
BAP EQUIVALENT-POS	15	1.5 U	31	13	32	21	10	370 U	370 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	15 J	1.5 U	31 J	13 J	32 J	21 J	10 J	370 U	370 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15	0 U	31	13	32	21	10	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.019 U	0.036	0.063	0.054	0.028	0.019 U	0.019 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88	88.9	85	78.1	86.2	82.9	88	89.4	89.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	9	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	9 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.034	0.019 U	0.039	0.023	0.034	0.029	0.31	0.025
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.9	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	17	163	45883	15	31	25	53	616	3.9 U
BAP EQUIVALENT-POS	16	163	45883	14	30	24	53	616	3.9 U
BENZO(A)ANTHRACENE	1.1 U	120	38000	1 U	19	11	45	320	3.9 U
BENZO(A)PYRENE	16	110	33000	14	25	20	41	440	3.9 U
BENZO(B)FLUORANTHENE	1.3 U	90	31000	1.3 U	14	11	40	390	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	1.9 U	48	15000	1.9 U	12	8.6	17	200	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
CHRYSENE	1 U	120	33000	0.99 U	20	9.7	46	360	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.4 U	26	4500	1.4 U	1.4 U	1.4 U	1.4 U	81	3.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
INDENO(1,2,3-CD)PYRENE	1.7 U	57	13000	1.6 U	19	17	28	220	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	16	571	167500	14	109	77.3	217	2011	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	3.8 U	10	10	NA	3.7 U
2-METHYLNAPHTHALENE	3.8 U	11	11	NA	3.7 U
ACENAPHTHENE	3.8 U	43 J	43 J	NA	3.7 UJ
ACENAPHTHYLENE	3.8 U	3.8 U	3.8 U	NA	3.7 U
ANTHRACENE	3.8 U	31 J	31 J	NA	3.7 UJ
BAP EQUIVALENT-HALFND	3.8 U	58	58	NA	3.7 U
BAP EQUIVALENT-POS	3.8 U	56	56	NA	3.7 U
BENZO(A)ANTHRACENE	3.8 U	29	29	NA	3.7 U
BENZO(A)PYRENE	3.8 U	45 J	45 J	NA	3.7 UJ
BENZO(B)FLUORANTHENE	3.8 U	42 J	42 J	NA	3.7 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	38 J	38 J	NA	3.7 UJ
BENZO(K)FLUORANTHENE	3.8 U	3.8 UJ	3.8 UJ	NA	3.7 UJ
C1-CHRYSENES	NA	77 U	76.5 U	76 U	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	77 U	76.5 U	76 U	NA
C1-FLUORENES	NA	77 U	76.5 U	76 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C2-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C2-FLUORENES	NA	77 U	76.5 U	76 U	NA
C2-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C3-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C3-FLUORENES	NA	77 U	76.5 U	76 U	NA
C3-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C4-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
CHRYSENE	1.3 UJ	31	31	NA	1.2 U
DIBENZO(A,H)ANTHRACENE	3.8 U	3.8 UJ	3.8 UJ	NA	3.7 UJ
FLUORANTHENE	3.8 U	55 J	55 J	NA	3.7 UJ
FLUORENE	3.8 U	31 J	31 J	NA	3.7 UJ
INDENO(1,2,3-CD)PYRENE	3.8 U	35 J	35 J	NA	3.7 UJ
NAPHTHALENE	3.8 U	42	42	NA	3.7 U
PHENANTHRENE	3.8 U	42 J	42 J	NA	3.7 UJ
PYRENE	8.5	65	65	NA	9.2
TOTAL PAHS	8.5	540	540	NA	9.2
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)					
ACTINIUM-228	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282
SAMPLE ID				SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2
SAMPLE DATE				20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SB	SS	SS	SB	SB
TOP DEPTH				0	0	1	2	0	0	1	2
BOTTOM DEPTH				1	1	1	2	1	1	1	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	9.19	29.4	NA	NA	13.2	13	NA	NA
ACETONE	7000000	6100000	N	107 J	210 J	NA	NA	138 J	157 J	NA	NA
CARBON DISULFIDE	780000	82000	N	1.7 J	2.3 U	NA	NA	3	2	NA	NA
CHLOROMETHANE	NC	12000	N	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA
ETHYLBENZENE	780000	5400	C	1.9 U	1.5 J	NA	NA	2.7 U	0.31 J	NA	NA
METHYLENE CHLORIDE	85000	11000	C	3.8 U	2.9 J	NA	NA	4.9 J	3 J	NA	NA
NAPHTHALENE	160000	3600	C	35.4	0.94 B	NA	NA	2.7 U	2 B	NA	NA
N-BUTYLBENZENE	NC	NC		1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		5 J	7 J	NA	NA	11 U	8 U	NA	NA
TOLUENE	630000	500000	N	1.9 U	7.8	NA	NA	13.3	8	NA	NA
TRICHLOROETHENE	1600	2800	C	1.9 U	2.9	NA	NA	4.8	3.4	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	100 J	723 J	NA	NA	767 U	67.4 J	NA	NA
DIBENZOFURAN	7800	7800	N	27 J	133 U	NA	NA	114 U	110 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	192 U	227 U	NA	NA	195 U	31 J	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	183	93.3 U	NA	NA	80.1 U	77.2 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	161	93 U	NA	NA	80 U	77 U	NA	NA
ACENAPHTHENE	470000	340000	N	125	93 U	NA	NA	80 U	77 U	NA	NA
ANTHRACENE	2300000	1700000	N	283	93 U	NA	NA	80 U	40 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		**499**	**100**	NA	NA	80 U	**108**	**165**	**145**
BAP EQUIVALENT-POS	22	15	C	**499**	**49**	NA	NA	80 U	**70**	**165**	**145**
BENZO(A)ANTHRACENE	220	150	C	**372**	35 J	NA	NA	80 U	60 J	120	110
BENZO(A)PYRENE	22	15	C	**367**	**40 J**	NA	NA	80 U	**57 J**	**98**	**84**
BENZO(B)FLUORANTHENE	220	150	C	**205**	46 J	NA	NA	80 U	30 J	130	100
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	159	93 U	NA	NA	80 U	37 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	284	42 J	NA	NA	80 U	48 J	41	45
CHRYSENE	22000	15000	C	407	49 J	NA	NA	80 U	69 J	140	120
DIBENZO(A,H)ANTHRACENE	22	15	C	**56 J**	93 U	NA	NA	80 U	77 U	**35**	**33**
FLUORANTHENE	310000	230000	N	840	80 J	NA	NA	80 U	132	NA	NA
FLUORENE	310000	230000	N	159	93 U	NA	NA	80 U	28 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	147	93 U	NA	NA	80 U	34 J	67	63
NAPHTHALENE	160000	3600	C	239	93 U	NA	NA	80 U	77 U	NA	NA
PHENANTHRENE	2300000	170000	N[4]	1020	46 J	NA	NA	80 U	130	NA	NA
PYRENE	230000	170000	N	869	66 J	NA	NA	32 J	131	NA	NA
TOTAL PAHS	NC	NC		5693	404	NA	NA	32	796	631	555
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.9	1	NA	NA	0.6	1	NA	NA
ARSENIC	0.43	0.39	C	0.7 U	**6**	NA	NA	**0.7**	**1**	NA	NA
BARIUM	1600	1500	N	25	74	NA	NA	23	38	NA	NA
BERYLLIUM	16	16	N	0.5	1.4	NA	NA	0.3	0.6	NA	NA
CADMIUM	3.9	7	N	0.09	0.5	NA	NA	0.2	0.06	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	8.8	24.8	NA	NA	7.8	12.1	NA	NA
COBALT	NC	2.3	N	**2.8**	**19.7**	NA	NA	**3.3**	**8.5**	NA	NA
COPPER	310	310	N	6	9	NA	NA	6	5	NA	NA
LEAD	400	400		7	18	NA	NA	6	6	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.4 L	1.14 L	0.15	0.019 U	0.06 L	0.04 L	NA	NA
MOLYBDENUM	NC	39	N	0.6 U	0.9 B	NA	NA	0.4 B	0.5 U	NA	NA
NICKEL	160	150	N	7	11	NA	NA	7	13	NA	NA
SELENIUM	39	39	N	2 U	2 U	NA	NA	2	2 U	NA	NA
SILVER	39	39	N	0.06 U	0.06 U	NA	NA	0.04 U	0.1 B	NA	NA
VANADIUM	7.8	39	N[8]	**14.5**	**34.7**	NA	NA	**13.1**	**20.4**	NA	NA
ZINC	2300	2300	N	20	45	NA	NA	18	35	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		168000	**242000**	NA	NA	223000	37300	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		6130 B	13300 U	NA	NA	11500 U	6480 B	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		6	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	0.219 J	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285
SAMPLE ID				SB-282-0102	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102
SAMPLE DATE				20051026	20091110	20091110	20091110	20091110	20051027	20051027	20051027
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	1	1	1	1	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	6 U	0.4 J	6 U
2-BUTANONE	4700000	2800000	N	29 UR	NA	NA	NA	NA	29 UR	4 J	30 UR
ACETONE	7000000	6100000	N	27 B	NA	NA	NA	NA	59 L	69 J	39 L
CARBON DISULFIDE	780000	82000	N	3 J	NA	NA	NA	NA	2 J	6 UJ	2 J
CHLOROMETHANE	NC	12000	N	11 UJ	NA	NA	NA	NA	12 U	3 J	12 U
ETHYLBENZENE	780000	5400	C	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
METHYLENE CHLORIDE	85000	11000	C	13 B	NA	NA	NA	NA	6 U	4 B	3 B
NAPHTHALENE	160000	3600	C	6 U	NA	NA	NA	NA	6 U	180 J	5 J
N-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	6 U	0.9 J	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	NA	NA	NA	NA	12 UR	11 UR	12 UR
TOLUENE	630000	500000	N	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
TRICHLOROETHENE	1600	2800	C	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	940 UJ	NA	NA	NA	NA	960 U	930 UJ	990 UJ
DIBENZOFURAN	7800	7800	N	380 U	NA	NA	NA	NA	390 U	380 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	NA	NA	NA	NA	390 U	380 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	380 U	NA	NA	NA	NA	390 U	210 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	NA	NA	NA	NA	390 U	180 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	NA	NA	NA	NA	130 J	110 J	400 U
ANTHRACENE	2300000	1700000	N	380 U	NA	NA	NA	NA	210 J	170 J	400 U
BAP EQUIVALENT-HALFND	22	15		380 U	**23981**	**31**	**68**	**21482**	**564**	**415**	400 U
BAP EQUIVALENT-POS	22	15	C	380 U	**23981**	**31**	**68**	**21468**	**367**	**206**	400 U
BENZO(A)ANTHRACENE	220	150	C	380 U	**16000**	32	54	**20000**	**350 J**	**200 J**	400 U
BENZO(A)PYRENE	22	15	C	380 U	**17000**	**23**	**54**	**17000**	**290 J**	**170 J**	400 U
BENZO(B)FLUORANTHENE	220	150	C	380 U	**19000**	26	51	**16000**	**250 J**	150 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	380 U	NA	NA	NA	NA	180 J	380 U	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	**6500**	13	25	**7700**	390 U	75 J	400 U
CHRYSENE	22000	15000	C	380 U	**16000**	36	66	**21000**	420	220 J	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	**2600**	1.5 U	1.5 U	27 U	390 U	380 U	400 U
FLUORANTHENE	310000	230000	N	380 U	NA	NA	NA	NA	590	450	400 U
FLUORENE	310000	230000	N	380 U	NA	NA	NA	NA	180 J	170 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	**8000**	16	28	**7700**	**170 J**	380 U	400 U
NAPHTHALENE	160000	3600	C	380 U	NA	NA	NA	NA	390 U	200 J	400 U
PHENANTHRENE	2300000	170000	N[4]	380 U	NA	NA	NA	NA	1000	840	400 U
PYRENE	230000	170000	N	380 U	NA	NA	NA	NA	970	590	400 U
TOTAL PAHS	NC	NC		0 U	85100	146	278	89400	4740	3525	0 U
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.4 UR	NA	NA	NA	NA	0.4 UL	0.38 UL	0.71 UL
ARSENIC	0.43	0.39	C	**6.1**	NA	NA	NA	NA	2 B	1.2 B	4.8 B
BARIUM	1600	1500	N	29.2	NA	NA	NA	NA	39.8	16.3	19.9
BERYLLIUM	16	16	N	1.2	NA	NA	NA	NA	0.23	0.46	1.3
CADMIUM	3.9	7	N	0.04 U	NA	NA	NA	NA	0.04 U	0.04 U	0.07 U
CHROMIUM	12000 [5]	12000	N[5]	23.9 K	NA	NA	NA	NA	11.2	8.9	22.4
COBALT	NC	2.3	N	**6**	NA	NA	NA	NA	**4.5**	**5.4**	**6.6**
COPPER	310	310	N	7.3 K	NA	NA	NA	NA	8.2	5.4	13.6
LEAD	400	400		7.5	NA	NA	NA	NA	4	3.4	5.9
MERCURY	2.3 [6]	2.3	N[7]	0.01	NA	NA	NA	NA	0.01 U	0.02	0.01 U
MOLYBDENUM	NC	39	N	0.6 B	NA	NA	NA	NA	0.3	0.2	0.38
NICKEL	160	150	N	11.6	NA	NA	NA	NA	6	8.1	15
SELENIUM	39	39	N	0.35 UL	NA	NA	NA	NA	0.35 U	0.33 U	0.62 U
SILVER	39	39	N	0.1 U	NA	NA	NA	NA	0.1 UL	0.1 UL	0.09 UL
VANADIUM	7.8	39	N[8]	**32.8 K**	NA	NA	NA	NA	**19.3**	**14.2**	**37.9**
ZINC	2300	2300	N	38.8 K	NA	NA	NA	NA	18.6	18.2	33.4
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		12000	NA	NA	NA	NA	3200	2800 U	2900 U
TPH (C09-C36)	NC	NC		3300 J	NA	NA	NA	NA	22000	34000	6100 U
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	NA	NA	NA	NA	85	88	82
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-286	SB-293	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466
SAMPLE ID				SB-286-0102	SB-293-0102	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102
SAMPLE DATE				20051027	20051028	20051028	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH				1	1	0	1	1	1	1	1
BOTTOM DEPTH				2	2	1	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	5 U	6 UJ	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	8 J	27 UR	28 UR	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	75 L	27 UR	28 UR	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	3 J	5 U	6 UJ	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	11 UJ	11 U	11 UJ	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	8 B	16 B	14 B	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	2 J	5 U	6 UJ	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		6 U	5 U	6 UJ	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	11 UR	11 UR	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	920 UJ	890 U	900 U	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		370 U	360 U	360 U	26	69	1.4 U	1.5 U	11
BAP EQUIVALENT-POS	22	15	C	370 U	360 U	360 U	26	69	1.4 U	1.5 U	11
BENZO(A)ANTHRACENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	370 U	360 U	360 U	26 J	69 J	1.4 U	1.5 U	11 J
BENZO(B)FLUORANTHENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	370 U	360 U	360 U	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	26	69	0 U	0 U	11
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.35 UL	0.34 U	0.39 U	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	2.8 B	1.7	2	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	38.4	20.9	20.1	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.56	0.43	0.37 B	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.03 U	0.36 U	0.42 U	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	30.7	11.7	11.1	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	7.4	4.4	2.9	NA	NA	NA	NA	NA
COPPER	310	310	N	4.5	5.8	4.7	NA	NA	NA	NA	NA
LEAD	400	400		7.3	5	4.8	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.01	0.03	0.01	0.091	0.036	0.019 U	0.04	0.02 U
MOLYBDENUM	NC	39	N	0.54	0.34	0.55 K	NA	NA	NA	NA	NA
NICKEL	160	150	N	5.1	9.3	7.5	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.3 U	0.29 UL	0.34 U	NA	NA	NA	NA	NA
SILVER	39	39	N	0.09 UL	0.41 L	0.42 UL	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	18.7	17.4	15.7	NA	NA	NA	NA	NA
ZINC	2300	2300	N	16.3	20	15.9	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2600 U	2700 U	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		30000	12000	14000	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	89.1	86.3	89.9	88.4	85
TOTAL SOLIDS	NC	NC		89	92	91	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-467	SB-468	SB-469	SB-470	SB-471	SB-472	SB-473	SB-474
SAMPLE ID				SB-467-0102	SB-468-0102	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071024	20071024
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	15	52	1.6 U	1.5 U	1.5 U	24
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	15	52	1.6 U	1.5 U	1.5 U	24
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	15 J	52 J	1.6 U	1.5 U	1.5 U	24 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	15	52	0 U	0 U	0 U	24
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.019 U	0.019 U	0.019 U	0.48	0.021 UL	0.019 UL	0.019 UL	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		89.5	88.8	89.1	88.9	80.5	86.3	89.3	85.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-475	SB-476	SB-477	SB-478	SB-479	SB-480	SB-481	SB-482
SAMPLE ID				SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.4 U	15	1.5 U	31	13
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.4 U	15	1.5 U	31	13
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.4 UJ	15 J	1.5 U	31 J	13 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	15	0 U	31	13
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U	0.019 U	0.036	0.063
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		88.4	87.7	88.6	90.3	88	88.9	85	78.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-483	SB-484	SB-485	SB-486	SB-487	SB-488	SB-600	SB-600
SAMPLE ID				SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-600-1	H-SB-600-2
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	2
BOTTOM DEPTH				2	2	2	2	2	2	1	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**32**	**21**	10	370 U	370 U	9	NA	NA
BAP EQUIVALENT-POS	22	15	C	**32**	**21**	10	370 U	370 U	9	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**32 J**	**21 J**	10 J	370 U	370 U	9 J	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		32	21	10	0 U	0 U	9	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.054	0.028	0.019 U	0.019 U	0.019 U	0.019 U	0.034	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		86.2	82.9	88	89.4	89.6	88.9	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-601	SB-601	SB-602	SB-602	SB-603	SB-603	SB-604A	SB-604B
SAMPLE ID				H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2	H-SB-604A-1	H-SB-604B-1
SAMPLE DATE				20090924	20090924	20090924	20090924	20090924	20090924	20091109	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	2	1	2	1	2	1	1
BOTTOM DEPTH				1	2	1	2	1	2	1	1
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	**17**	**163**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	**16**	**163**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	1.1 U	120
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	**16**	**110**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	1.3 U	90
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	1.9 U	48
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	1 U	120
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	1.4 U	**26**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	1.7 U	57
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	16	571
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.039	0.023	0.034	0.029	0.31	0.025	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814	SB-815
SAMPLE ID			H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS	H-SB-815-SS
SAMPLE DATE			20091110	20091109	20091109	20091109	20091109	20091109	20100826	20100826
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SS	SS
TOP DEPTH			1	1	1	1	1	1	1	1
BOTTOM DEPTH			1	1	1	1	1	1	1	1
VOLATILES (UG/KG)										
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	**45883**	15	**31**	**25**	**53**	**616**	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15 C	**45883**	14	**30**	**24**	**53**	**616**	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150 C	**38000**	1 U	19	11	45	**320**	3.9 U	3.8 U
BENZO(A)PYRENE	22	15 C	**33000**	14	**25**	**20**	**41**	**440**	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150 C	**31000**	1.3 U	14	11	40	**390**	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000 N[4]	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500 C	**15000**	1.9 U	12	8.6	17	200	3.9 U	3.8 U
CHRYSENE	22000	15000 C	**33000**	0.99 U	20	9.7	46	360	1.3 UJ	1.3 UJ
DIBENZO(A,H)ANTHRACENE	22	15 C	**4500**	1.4 U	1.4 U	1.4 U	1.4 U	**81**	3.9 U	3.8 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150 C	**13000**	1.6 U	19	17	28	**220**	3.9 U	3.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
PHENANTHRENE	2300000	170000 N[4]	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	3.9 U	8.5
TOTAL PAHS	NC	NC	167500	14	109	77.3	217	2011	0 U	8.5
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3 N[7]	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-816 H-SB-816-SS 20100827 ORIG SO NORMAL SS 1 1	SB-816 H-SB-816-SS-AVG 20100827 AVG SO NORMAL SS 1 1	SB-816 H-SB-816-SS-D 20100827 DUP SO NORMAL SS 1 1	SB-817 H-SB-817-SS 20100827 NORMAL SO NORMAL SS 1 1
VOLATILES (UG/KG)							
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	10	10	NA	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	11	11	NA	3.7 U
ACENAPHTHENE	470000	340000	N	43 J	43 J	NA	3.7 UJ
ANTHRACENE	2300000	1700000	N	31 J	31 J	NA	3.7 UJ
BAP EQUIVALENT-HALFND	22	15		**58**	**58**	NA	3.7 U
BAP EQUIVALENT-POS	22	15	C	**56**	**56**	NA	3.7 U
BENZO(A)ANTHRACENE	220	150	C	29	29	NA	3.7 U
BENZO(A)PYRENE	22	15	C	**45 J**	**45 J**	NA	3.7 UJ
BENZO(B)FLUORANTHENE	220	150	C	42 J	42 J	NA	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	38 J	38 J	NA	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.8 UJ	3.8 UJ	NA	3.7 UJ
CHRYSENE	22000	15000	C	31	31	NA	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 UJ	3.8 UJ	NA	3.7 UJ
FLUORANTHENE	310000	230000	N	55 J	55 J	NA	3.7 UJ
FLUORENE	310000	230000	N	31 J	31 J	NA	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	35 J	NA	3.7 UJ
NAPHTHALENE	160000	3600	C	42	42	NA	3.7 U
PHENANTHRENE	2300000	170000	N[4]	42 J	42 J	NA	3.7 UJ
PYRENE	230000	170000	N	65	65	NA	9.2
TOTAL PAHS	NC	NC		540	540	NA	9.2
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
5 - The value is for trivalent chromium.
6 - The value is for mercury (inorganic/mercuric dichloride).
7 - The value is for mercuric chloride.
8 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1080	149	182	1063	539	180	105	30	71
BAP EQUIVALENT-POS	1080	149	182	1063	539	180	105	30	71
BENZO(A)ANTHRACENE	810	110	140	910	470	160 J	95.5	31 J	58
BENZO(A)PYRENE	700	88	110	670	330	100 J	60.5	21 J	38
BENZO(B)FLUORANTHENE	920	110	120	840	470	160 J	94	28 J	62
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	300	41	68	270	150	60 J	35.5	11 J	12
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	960	110	160	1000	520	170 J	102.5	35 J	70
DIBENZO(A,H)ANTHRACENE	160	32	37	170	91	39 J	19.875	1.5 UJ	18
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	430	64	82	440	220	84 J	54.5	25 J	31
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4280	555	717	4300	2251	773	462	151	289
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3534	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U
BAP EQUIVALENT-POS	3534	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U
BENZO(A)ANTHRACENE	3300	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U
BENZO(A)PYRENE	2300	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	3200	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	980	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	3900	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U
DIBENZO(A,H)ANTHRACENE	430	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1400	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15510	0 U	88	0 U	0 U	0 U	0 U	28.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1658	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1657	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	2000	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1200	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1700	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	740	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	770	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	8710	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	307	1.5 U	1.5 U	1.6 U	13	16	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	307	1.5 U	1.5 U	1.6 U	12	15	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	220	1.1 U	1.1 U	1.2 U	12	13	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	210	1.5 U	1.5 U	1.6 U	10	11	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	210	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	90	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	230	1 U	1.1 U	1.1 U	12	11	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	42	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.9 U	110	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1112	0 U	0 U	0 U	45	69.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	195	1.6 U	364	125	1.5 U	1.6 U	34	1.6 U	1.5 U
BAP EQUIVALENT-POS	195	1.6 U	364	124	1.5 U	1.6 U	34	1.6 U	1.5 U
BENZO(A)ANTHRACENE	130	1.2 U	270	110	1.1 U	1.2 U	19	1.1 U	1.1 U
BENZO(A)PYRENE	130	1.6 U	260	98	1.5 U	1.6 U	28	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	110	1.5 U	260	100	1.4 U	1.5 U	16	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	64	2.1 U	91	36	2 U	2.1 U	11	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	150	1.1 U	270	110	1.1 U	1.1 U	21	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	33	1.6 U	37	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	68	1.8 U	130	49	1.8 U	1.9 U	19	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	685	0 U	1318	503	0 U	0 U	114	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1728	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	23	1.5 U
BAP EQUIVALENT-POS	1728	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	23	1.5 U
BENZO(A)ANTHRACENE	1400	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	21	1.1 U
BENZO(A)PYRENE	1200	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	17	1.5 U
BENZO(B)FLUORANTHENE	1200	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	15	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	530	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.3 U	8.3	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	21	1 U
DIBENZO(A,H)ANTHRACENE	210	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	510	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U	19	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	6350	0 U	0 U	0 U	0 U	0 U	0 U	101.3	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7	1.8	1.7 U	20
BAP EQUIVALENT-POS	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9	0.9	1.7 U	20
BENZO(A)ANTHRACENE	9	1.1 U	1.2 U	1.1 U	1.2 U	9	4.8	1.2 U	19
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.65 U	1.7 U	16
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.15 U	2.2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	20
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9	0 U	0 U	0 U	0 U	9	4.5	0 U	71
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	47	477	62	20	1.6 U	1.5 U	1.6 U	1.5 U	1.55 U
BAP EQUIVALENT-POS	46	477	61	19	1.6 U	1.5 U	1.6 U	1.5 U	1.55 U
BENZO(A)ANTHRACENE	44	410	54	22 J	1.1 UJ	1.1 UJ	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	36	320	47	15 J	1.6 UJ	1.5 UJ	1.6 U	1.5 U	1.55 U
BENZO(B)FLUORANTHENE	37	320	50	15 J	1.4 UJ	1.4 UJ	1.5 U	1.4 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U	2 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	66	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U	1.5 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	16	160	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	199	1816	264	83.7	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	36 J	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11	1.2 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	102	1363	0 U	0 U	0 U	0 U	19600
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,1-TRICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2,2-TETRACHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2-TRICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,4-TRIMETHYLBENZENE	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B
1,2-DIBROMO-3-CHLOROPROPANE	NA	4.4 U	4.1 U	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U
1,2-DIBROMOETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3,5-TRIMETHYLBENZENE	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
1,3-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3-DICHLOROPROPENE	NA	4.36 U	4.07 U	3.96 U	4.19 U	4.18 U	4.04 U	4.7 U	3.96 U
1,4-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,4-DIOXANE	NA	109 U	102 U	99.1 U	105 U	104 U	101 U	118 U	99 U
2,2-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
2-BUTANONE	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U
2-CHLOROETHYL VINYL ETHER	NA	2.2 UR	2 UR	2 UR	2.1 UR	2.1 UR	2 UR	2.4 UR	2 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	8.72 U	8.14 U	7.92 U	8.38 U	8.35 U	8.08 U	9.41 U	7.92 U
4-CHLOROTOLUENE	NA	2.18 U	2.04 U	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
4-ISOPROPYLTOLUENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
4-METHYL-2-PENTANONE	NA	8.7 U	8.1 U	7.9 U	8.4 U	8.4 U	8.1 U	9.4 U	7.9 U
ACETONE	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J
BENZENE	NA	2.18 U	2.04 U	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
BROMOBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOCHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMODICHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOFORM	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CARBON DISULFIDE	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U
CARBON TETRACHLORIDE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLORODIBROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROFORM	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CIS-1,2-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CIS-1,3-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DIBROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DICHLORODIFLUOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DIISOPROPYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ETHYL TERT-BUTYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ETHYLBENZENE	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
FLUORODICHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
HEXACHLOROBUTADIENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ISOPROPYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
M+P-XYLENES	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U
METHYL TERT-BUTYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
METHYLENE CHLORIDE	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J
NAPHTHALENE	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U
N-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
N-PROPYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
O-XYLENE	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
SEC-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
STYRENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERT-AMYL METHYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERT-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERTIARY-BUTYL ALCOHOL	NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J
TETRACHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TOLUENE	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	6.5 U	6.2 U	5.9 U	6.3 U	6.3 U	6.1 U	7.1 U	5.9 U
TRANS-1,2-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TRANS-1,3-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TRICHLOROETHENE	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4
TRICHLOROFLUOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U
VINYL ACETATE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
VINYL CHLORIDE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,2-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,3-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,4-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,4-DIOXANE	NA	390 U	386 U	387 U	413 U	391 U	381 U	390 U	378 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
2,4,5-TRICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4,6-TRICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DIMETHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DINITROPHENOL	NA	590 U	585 U	586 U	626 U	593 U	577 U	591 U	573 U
2,4-DINITROTOLUENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
2,6-DINITROTOLUENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
2-CHLORONAPHTHALENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
2-CHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2-NITROANILINE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
2-NITROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
3&4-METHYLPHENOL	NA	791 U	785 U	786 U	839 U	795 U	773 U	792 U	768 U
3,3'-DICHLOROBENZIDINE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
3-NITROANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4,6-DINITRO-2-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-BROMOPHENYL PHENYL ETHER	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
4-CHLORO-3-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-CHLOROANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
4-NITROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	791 U	785 U	786 U	839 U	795 UR	773 U	792 U	768 U
BENZOIC ACID	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J
BENZYL ALCOHOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
BIS(2-CHLOROETHOXY)METHANE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
BIS(2-CHLOROETHYL)ETHER	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
BUTYL BENZYL PHTHALATE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
DIBENZOFURAN	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U
DIETHYL PHTHALATE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
DIMETHYL PHTHALATE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
DI-N-BUTYL PHTHALATE	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U
DI-N-OCTYL PHTHALATE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
HEXACHLOROBENZENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
HEXACHLOROBUTADIENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
HEXACHLOROCYCLOPENTADIENE	NA	401 U	398 U	399 U	426 U	403 UR	392 U	402 U	390 U
HEXACHLOROETHANE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
ISOPHORONE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
NITROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
N-NITROSODIMETHYLAMINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
N-NITROSO-DI-N-PROPYLAMINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
N-NITROSODIPHENYLAMINE	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U
PENTACHLOROPHENOL	NA	991 U	984 U	985 U	1050 U	996 U	969 U	993 U	963 U
PHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
PYRIDINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U
2-METHYLNAPHTHALENE	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U
ACENAPHTHENE	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U
ACENAPHTHYLENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
ANTHRACENE	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U
BAP EQUIVALENT-HALFND	NA	165	943	82 U	100	83 U	120	83 U	80 U
BAP EQUIVALENT-POS	NA	124	943	82 U	2.3	83 U	75	83 U	80 U
BENZO(A)ANTHRACENE	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U
BENZO(A)PYRENE	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U
BENZO(B)FLUORANTHENE	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U
BENZO(K)FLUORANTHENE	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U
DIBENZO(A,H)ANTHRACENE	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U
FLUORANTHENE	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U
FLUORENE	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U
INDENO(1,2,3-CD)PYRENE	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U
NAPHTHALENE	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U
PHENANTHRENE	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U
PYRENE	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U
TOTAL PAHS	NA	1642	12472	0 U	129	0 U	558	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1221	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1232	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1242	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1248	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1254	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1260	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8
ARSENIC	NA	5	4	3	1	4	2	3	4
BARIUM	NA	36	79	26	15	25	20	22	15
BERYLLIUM	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5
CADMIUM	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09
CHROMIUM	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6
COBALT	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3
COPPER	NA	14	17	10	6	12	10	23	12
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	14	17	4 B	5	17	11	13	5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L
MOLYBDENUM	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U
NICKEL	NA	22	27	5	10	35	33	44	19
SELENIUM	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U
SILVER	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U
THALLIUM	NA	0.9 U	1 U	1 U	0.8 U	1 U	1 U	1 U	1 U
VANADIUM	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2
ZINC	NA	44	62	25	30	51	68	55	26
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
DIESEL RANGE ORGANICS	NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B
GASOLINE RANGE ORGANICS	NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA
TOTAL ORGANIC CARBON	1350	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	4.9	5	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 UJ	6 UJ	7 UJ	6 UJ	6 UJ	6 UJ	7 UJ
1,2,3-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-BUTANONE	29 UR	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-HEXANONE	29 U	29 U	30 U	30 U	36 U	30 U	31 U	30 U	33 U
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
4-METHYL-2-PENTANONE	29 U	29 U	30 U	30 U	36 U	30 U	31 U	30 U	33 U
ACETONE	15 B	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J
BENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOFORM	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
CARBON DISULFIDE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
CHLOROFORM	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 UJ	12 UJ	12 UJ	13 UJ
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
DIBROMOMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
DICHLORODIFLUOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
DIISOPROPYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ETHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
M+P-XYLENES	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
METHYL TERT-BUTYL ETHER	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
METHYLENE CHLORIDE	6 B	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B
NAPHTHALENE	6 U	6 U	6 U	6 U	3 J	5 J	130	34	12
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
O-XYLENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
STYRENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERT-AMYL METHYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERTIARY-BUTYL ALCOHOL	12 UR	11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TOTAL 1,2-DICHLOROETHENE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
TOTAL XYLENES	17 U	17 U	18 U	18 U	22 U	18 U	18 U	18 U	20 U
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRICHLOROFLUOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
VINYL ACETATE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VINYL CHLORIDE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,2-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,3-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,4-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,4-DIOXANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4,5-TRICHLOROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2,4,6-TRICHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DICHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DIMETHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DINITROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2,4-DINITROTOLUENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,6-DINITROTOLUENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-CHLORONAPHTHALENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-CHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2-NITROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3&4-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3,3'-DICHLOROBENZIDINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4-BROMOPHENYL PHENYL ETHER	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLORO-3-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLOROANILINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLOROPHENYL PHENYL ETHER	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4-NITROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
BENZOIC ACID	960 UJ	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U
BENZYL ALCOHOL	380 UJ	380 UJ	400 UJ	390 UJ	470 UJ	390 UJ	410 UR	390 UR	440 U
BIS(2-CHLOROETHOXY)METHANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BIS(2-CHLOROETHYL)ETHER	380 UJ	380 UJ	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BUTYL BENZYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DIBENZOFURAN	380 U	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U
DIETHYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DIMETHYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DI-N-BUTYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DI-N-OCTYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROBUTADIENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROCYCLOPENTADIENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROETHANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ISOPHORONE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
NITROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSODIMETHYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSODIPHENYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
PENTACHLOROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
PHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
PYRIDINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	380 U	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U
2-METHYLNAPHTHALENE	380 U	380 U	400 U	390 U	260 J	390 U	1100	410	440 U
ACENAPHTHENE	380 U	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U
ACENAPHTHYLENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ANTHRACENE	380 U	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U
BAP EQUIVALENT-HALFND	380 U	397	400 U	390 U	470 U	390 U	1415	899	440 U
BAP EQUIVALENT-POS	380 U	188	400 U	390 U	470 U	390 U	1210	704	440 U
BENZO(A)ANTHRACENE	380 U	200 J	400 U	390 U	470 U	390 U	900	520	440 U
BENZO(A)PYRENE	380 U	150 J	400 U	390 U	470 U	390 U	960	560	440 U
BENZO(B)FLUORANTHENE	380 U	170 J	400 U	390 U	470 U	390 U	960	570	440 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U
BENZO(K)FLUORANTHENE	380 U	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	240 J	400 U	390 U	470 U	390 U	1200	650	440 U
DIBENZO(A,H)ANTHRACENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
FLUORANTHENE	380 U	430	110 J	390 U	140 J	390 U	1400	820	440 U
FLUORENE	380 U	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U
INDENO(1,2,3-CD)PYRENE	380 U	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U
NAPHTHALENE	380 U	380 U	400 U	390 U	250 J	390 U	1200	460	440 U
PHENANTHRENE	380 U	530	120 J	390 U	570	390 U	2200	1300	440 U
PYRENE	380 U	720	180 J	390 U	220 J	390 U	2900	1700	440 U
TOTAL PAHS	0 U	2607	410	0 U	1910	0 U	15910	8576	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	8.6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1221	20 U	10 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1232	20 U	6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1242	20 U	7.7 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1248	20 U	6.6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1254	20 U	15 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1260	20 U	4.8 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.67 UR	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL
ARSENIC	3.5	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B
BARIUM	11.6	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9
BERYLLIUM	1.8	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51
CADMIUM	0.07 U	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U
CHROMIUM	18.5 K	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4
COBALT	6.7	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8
COPPER	23 K	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	5.7	3.6	5	9.4	9.3	7.1	6.6	8.9	5.9
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
MOLYBDENUM	0.43 B	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U
NICKEL	17.7	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9
SELENIUM	0.59 UL	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U
SILVER	0.08 U	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL
THALLIUM	1 U	0.51 U	1.5 B	2 B	2.6 B	1.6 B	1.92 U	1.99 U	1.1 B
VANADIUM	27.2 K	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6
ZINC	28.1 K	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2900 U	2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U
TPH (C09-C36)	4600 J	130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	86	87	83	84	70	85	81	84	75
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-BUTANONE	30 UR	30 UR	30 UR	30 UR	31 UR	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-HEXANONE	30 U	30 UJ	30 U	30 U	31 U	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	30 U	30 UJ	30 U	30 U	31 U	NA	NA	NA	NA
ACETONE	30 UR	32 J	17 J	37 L	16 J	NA	NA	NA	NA
BENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOFORM	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOMETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CHLOROFORM	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROMETHANE	12 UJ	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
DIISOPROPYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
M+P-XYLENES	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
METHYLENE CHLORIDE	6 B	11 B	9 B	10 B	5 B	NA	NA	NA	NA
NAPHTHALENE	6 J	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
O-XYLENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
STYRENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	12 UR	12 UR	12 UR	12 UR	12 UR	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
TOTAL XYLENES	18 U	18 UJ	18 U	18 U	18 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	12 U	2 J	12 U	12 U	12 U	NA	NA	NA	NA
VINYL ACETATE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
VINYL CHLORIDE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,4-DIOXANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DINITROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-CHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2-NITROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3&4-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLOROANILINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4-NITROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
BENZOIC ACID	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
BENZYL ALCOHOL	400 UR	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIETHYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROETHANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ISOPHORONE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NITROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PENTACHLOROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
PHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRIDINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	220 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	290 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	635	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	433	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	400 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	340 J	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	340 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	210 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
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SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	490	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	620	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORENE	250 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	110 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	1300	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRENE	1100	400 U	390 U	390 U	400 U	NA	NA	NA	NA
TOTAL PAHS	5914	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1221	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1232	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1242	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1248	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1254	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1260	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.37 UL	0.36 U	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA
ARSENIC	0.77 B	2.7	1.7	2.4	3.4	NA	NA	NA	NA
BARIUM	17.5	11.7	2.9	8.7	11	NA	NA	NA	NA
BERYLLIUM	0.34	0.48	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA
CADMIUM	0.04 U	0.38 U	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA
CHROMIUM	54.1	12.6	7.5	9.4	16.6	NA	NA	NA	NA
COBALT	3	3.3	1.8	2.6	3	NA	NA	NA	NA
COPPER	2.3 B	8.3	6.6	5.3	9.3	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	1.8	3.7	1.6	2.6	3.5	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01 U	0.02	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U
MOLYBDENUM	0.28	0.46	0.17	0.3 K	1.2	NA	NA	NA	NA
NICKEL	2.7	5.2	3	3.4	5.1	NA	NA	NA	NA
SELENIUM	0.32 U	0.31 UL	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA
SILVER	0.09 UL	0.38 UL	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA
THALLIUM	0.76 B	0.53 U	0.47 U	0.65 U	0.64 U	NA	NA	NA	NA
VANADIUM	5.7	28.6	13.7	17.8	26.3	NA	NA	NA	NA
ZINC	21	11.9	4	9	10.5	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	6100	9000	2800 U	2800 U	2900 U	NA	NA	NA	NA
TPH (C09-C36)	110000	2900 J	3800 J	6000 U	6100 U	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	87.1	87.1	79.1	81.5
TOTAL SOLIDS	82	83	84	84	81	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.063	0.021 U	0.021 U	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	73.9	78.8	81.1	80	89.4	81	79.3	84.7	89.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 UJ	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.7	83.9	84.2	89.8	88.6	82.9	84.4	88.6	88.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	86.4	85.5	85.1	83.9	84.6	87.4	82.2	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	23	1.5 U	1.5 U	1.5 U	22	1.5 U	3.5	1.5 U
BAP EQUIVALENT-POS	1.5 U	22	1.5 U	1.5 U	1.5 U	21	1.5 U	2.0	1.5 U
BENZO(A)ANTHRACENE	NA	21	1.1 U	1.1 U	1.1 U	17	1.1 U	11	1.1 U
BENZO(A)PYRENE	1.5 U	17	1.5 U	1.5 U	1.5 U	16	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	20	1.4 U	1.4 U	1.4 U	14	1.4 U	8.4	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	2 U	2 U	2 U	2 U	2 U	1.9 U	2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	24	1.1 U	1.05 U	1 U	18	1 U	11	1 U
DIBENZO(A,H)ANTHRACENE	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	7.9	1.8 U	1.75 U	1.7 U	18	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	89.9	0 U	0 U	0 U	83	0 U	30.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.6	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U	3.9 U	3.9 U
ACENAPHTHENE	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U	3.9 U	3.9 U
ACENAPHTHYLENE	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U	3.9 U	3.9 U
ANTHRACENE	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U	11	3.9 U
BAP EQUIVALENT-POS	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U	8.7	3.9 U
BENZO(A)ANTHRACENE	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U	3.9 U	3.9 U
BENZO(A)PYRENE	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U	8.7	3.9 U
BENZO(B)FLUORANTHENE	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U	3.9 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
CHRYSENE	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ	1.3 UJ	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U	3.9 U	3.9 U
FLUORANTHENE	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U	10	3.9 U
FLUORENE	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U	3.9 U	3.9 U
NAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U	3.9 U	3.9 U
PHENANTHRENE	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U	3.9 U	3.9 U
PYRENE	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U	16	3.9 U
TOTAL PAHS	128	166	0 U	0 U	0 U	5958	0 U	34.7	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
2-METHYLNAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
ACENAPHTHENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	3.7 UJ	4 UJ
ACENAPHTHYLENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
ANTHRACENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	3.7 UJ	4 UJ
BAP EQUIVALENT-HALFND	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	3.7 U	38
BAP EQUIVALENT-POS	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	3.7 U	36
BENZO(A)ANTHRACENE	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	3.7 U	16
BENZO(A)PYRENE	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	3.7 UJ	32 J
BENZO(B)FLUORANTHENE	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	3.7 UJ	21 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	3.7 UJ	4 UJ
BENZO(K)FLUORANTHENE	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	3.7 UJ	4 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
CHRYSENE	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	1.2 U	14
DIBENZO(A,H)ANTHRACENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	3.7 UJ	4 UJ
FLUORANTHENE	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	3.7 UJ	33 J
FLUORENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	3.7 UJ	4 UJ
INDENO(1,2,3-CD)PYRENE	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	3.7 UJ	4 UJ
NAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
PHENANTHRENE	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	3.7 UJ	4 UJ
PYRENE	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	3.7 U	36
TOTAL PAHS	431	0 U	0 U	0 U	78	0 U	706	0 U	152
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
C1-CHRYSENES	NA	NA	NA	NA

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	0 U	0 U	0 U	32
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.6 U	1.6 U	21	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.6 U	1.6 U	21	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.6 U	21 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	31	490
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 UL	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81.5	83.1	83.2	87.9	85.1	76.1	80.5	86	77.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.018 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90.9	86.3	87	81.8	81.4	83.3	85.8	79.9	83.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.021 U	0.021 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	78.2	79.8	84.6	84.9	87.7	85.1	86.7	83.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.019 U	0.02 U	0.019 U	0.21
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.9	83.8	84.6	85.9	89.5	88.1	84.1	85.6	85.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28	1.6 U
BAP EQUIVALENT-POS	10	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	10 J	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	0 U	0 U	0 U	0 U	0 U	0 U	28	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.035	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.3	82.2	82.6	82.7	85.1	84	82.7	82.9	81.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	43	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.5	82.9	86.2	82.7	86.5	84.2	88.7	84.4	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BAP EQUIVALENT-POS	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.8	86.3	84.9	81.3	85.6	82.4	88	83.8	85.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA
BENZO(A)PYRENE	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282 H-SB-282RE-10 20090929 NORMAL SO NORMAL SB 10 10	SB-282 H-SB-282RE-3 20090929 NORMAL SO NORMAL SB 3 3	SB-282 H-SB-282RE-4 20090929 NORMAL SO NORMAL SB 4 4	SB-282 H-SB-282RE-5 20090929 NORMAL SO NORMAL SB 5 5	SB-282 H-SB-282RE-6 20090929 NORMAL SO NORMAL SB 6 6	SB-282 H-SB-282RE-7 20090929 ORIG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-AVG 20090929 AVG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-D 20090929 DUP SO NORMAL SB 7 7	SB-282 H-SB-282RE-8 20090929 NORMAL SO NORMAL SB 8 8	SB-282 H-SB-282RE-9 20090929 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1080	149	182	1063	539	180	105	30	71	3534
BAP EQUIVALENT-POS	22	15	C	1080	149	182	1063	539	180	105	30	71	3534
BENZO(A)ANTHRACENE	220	150	C	810	110	140	910	470	160 J	95.5	31 J	58	3300
BENZO(A)PYRENE	22	15	C	700	88	110	670	330	100 J	60.5	21 J	38	2300
BENZO(B)FLUORANTHENE	220	150	C	920	110	120	840	470	160 J	94	28 J	62	3200
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	300	41	68	270	150	60 J	35.5	11 J	12	980
CHRYSENE	22000	15000	C	960	110	160	1000	520	170 J	102.5	35 J	70	3900
DIBENZO(A,H)ANTHRACENE	22	15	C	160	32	37	170	91	39 J	19.875	1.5 UJ	18	430
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	430	64	82	440	220	84 J	54.5	25 J	31	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4280	555	717	4300	2251	773	462	151	289	15510
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282B
SAMPLE ID				H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5	H-SB-282REB-7	H-SB-282REB-9
SAMPLE DATE				20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	9	9	3	5	7	9
BOTTOM DEPTH				3	5	7	9	9	9	3	5	7	9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U	1.5 U	1658
BAP EQUIVALENT-POS	22	15	C	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U	1.5 U	1657
BENZO(A)ANTHRACENE	220	150	C	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U	1.1 U	2000
BENZO(A)PYRENE	22	15	C	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U	1.4 U	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U	2 U	740
CHRYSENE	22000	15000	C	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U	1.1 U	2300
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	3.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	770
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	0 U	0 U	0 U	0 U	28.9	0 U	0 U	8710
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C H-SB-282REC-3	SB-282C H-SB-282REC-5	SB-282C H-SB-282REC-7	SB-282C H-SB-282REC-9	SB-282C H-SB-282REC-9-AVG	SB-282C H-SB-282REC-9-D	SB-282D H-SB-282RED-3	SB-282D H-SB-282RED-5	SB-282D H-SB-282RED-7	SB-282D H-SB-282RED-9
SAMPLE ID				20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE DATE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
SUBMATRIX				3	5	7	9	9	9	3	5	7	9
TOP DEPTH				3	5	7	9	9	9	3	5	7	9
BOTTOM DEPTH													
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	220
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	210
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	210
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U	2 U	2.1 U	90
CHRYSENE	22000	15000	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	230
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	42
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1112
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604	SB-604
SAMPLE ID				H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6
SAMPLE DATE				20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	5	6	3	4	5	6
BOTTOM DEPTH				3	4	3	4	5	6	3	4	5	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	13	16	1.5 U	195	1.6 U	364	125
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	12	15	1.5 U	195	1.6 U	364	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	12	13	1.1 U	130	1.2 U	270	110
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	10	11	1.5 U	130	1.6 U	260	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U	110	1.5 U	260	100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U	64	2.1 U	91	36
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	12	11	1 U	150	1.1 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	33	1.6 U	37	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U	68	1.8 U	130	49
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	45	69.4	0 U	685	0 U	1318	503
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604	SB-604A	SB-604A	SB-604A	SB-604B	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D
SAMPLE ID				H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D
SAMPLE DATE				20090924	20091109	20091109	20091109	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	3	5	7	3	3	3
BOTTOM DEPTH				7	3	5	7	3	5	7	3	3	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	19	1.1 U	1.1 U	1400	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28	1.6 U	1.5 U	1200	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	16	1.4 U	1.4 U	1200	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	11	2 U	2 U	530	2 U	2.1 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	21	1.1 U	1 U	1300	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	210	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	19	1.8 U	1.7 U	510	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	114	0 U	0 U	6350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608
SAMPLE ID				H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4
SAMPLE DATE				20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	3	4	3	4	3	4	3	4
BOTTOM DEPTH				5	7	3	4	3	4	3	4	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.7 U	23	1.5 U	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.7 U	23	1.5 U	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.3 U	21	1.1 U	9	1.1 U	1.2 U	1.1 U	1.2 U	9
BENZO(A)PYRENE	22	15	C	1.7 U	1.7 U	17	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	1.6 U	15	1.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.3 U	8.3	1.9 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.2 U	1.2 U	21	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	2 U	19	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	101.3	0 U	9	0 U	0 U	0 U	0 U	9
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-608	SB-608	SB-609	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B
SAMPLE ID				H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3
SAMPLE DATE				20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20091109
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH				4	4	3	4	3	4	5	6	7	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.8	1.7 U	20	47	477	62	20	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	0.9	1.7 U	20	46	477	61	19	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4.8	1.2 U	19	44	410	54	22 J	1.1 UJ	1.1 UJ	1.2 U
BENZO(A)PYRENE	22	15	C	1.65 U	1.7 U	16	36	320	47	15 J	1.6 UJ	1.5 UJ	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	16	37	320	50	15 J	1.4 UJ	1.4 UJ	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.15 U	2.2 U	2.1 U	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	20	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.6 U	1.6 U	66	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	16	160	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.5	0 U	71	199	1816	264	83.7	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	36 J	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-610B	SB-610B	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611
SAMPLE ID			H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5
SAMPLE DATE			20091109	20091109	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	5	5	3	5	3	5	3	4	5
BOTTOM DEPTH			5	5	5	3	5	3	5	3	4	5
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.15 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11
BENZO(A)PYRENE	22	15 C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.45 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.05 U	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID				H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE				20090925	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	3	5	3	5	5	5	10
BOTTOM DEPTH				6	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
CHRYSENE	22000	15000	C	1.1 U	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	102	1363	0 U	0 U	0 U	0 U	19600
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282
SAMPLE ID				MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405
SAMPLE DATE				20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	5	10	5	10	5	10	5	10	4
BOTTOM DEPTH				9	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U	NA
2-BUTANONE	4700000	2800000	N	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U	29 UR
ACETONE	7000000	6100000	N	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J	15 B
CARBON DISULFIDE	780000	82000	N	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
ETHYLBENZENE	780000	5400	C	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J	6 B
NAPHTHALENE	160000	3600	C	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J	12 UR
TOLUENE	630000	500000	N	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3	6 U
TRICHLOROETHENE	1600	2800	C	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4	6 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U	12 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J	960 UJ
DIBENZOFURAN	7800	7800	N	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U	380 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U	380 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHENE	470000	340000	N	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ANTHRACENE	2300000	1700000	N	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BAP EQUIVALENT-HALFND	22	15		NA	165	943	82 U	100	83 U	120	83 U	80 U	380 U
BAP EQUIVALENT-POS	22	15	C	NA	124	943	82 U	2.3	83 U	75	83 U	80 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U	380 U
BENZO(A)PYRENE	22	15	C	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U	380 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U	380 U
CHRYSENE	22000	15000	C	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U	380 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U	380 U
FLUORANTHENE	310000	230000	N	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U	380 U
FLUORENE	310000	230000	N	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U	380 U
NAPHTHALENE	160000	3600	C	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U	380 U
PHENANTHRENE	2300000	170000	N[7]	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U	380 U
PYRENE	230000	170000	N	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U	380 U
TOTAL PAHS	NC	NC		NA	1642	12472	0 U	129	0 U	558	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8	0.67 UR
ARSENIC	0.43	0.39	C	NA	5	4	3	1	4	2	3	4	3.5
BARIUM	1600	1500	N	NA	36	79	26	15	25	20	22	15	11.6
BERYLLIUM	16	16	N	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5	1.8
CADMIUM	3.9	7	N	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09	0.07 U
CHROMIUM	12000 [8]	12000	N[8]	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6	18.5 K
COBALT	NC	2.3	N	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3	6.7
COPPER	310	310	N	NA	14	17	10	6	12	10	23	12	23 K
LEAD	400	400		NA	14	17	4 B	5	17	11	13	5	5.7
MERCURY	2.3 [9]	2.3	N[10]	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L	0.01 U
MOLYBDENUM	NC	39	N	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U	0.43 B
NICKEL	160	150	N	NA	22	27	5	10	35	33	44	19	17.7
SELENIUM	39	39	N	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U	0.59 UL
SILVER	39	39	N	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U	0.08 U
VANADIUM	7.8	39	N[11]	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2	27.2 K
ZINC	2300	2300	N	NA	44	62	25	30	51	68	55	26	28.1 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U	2900 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	4600 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	86
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA	NA
TOTAL ORGANIC CARBON	NC	NC		1350	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	4.9	5	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID				SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE				20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U	6 U	6 UJ
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR	30 UR	30 UR
ACETONE	7000000	6100000	N	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J	30 UR	32 J
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	12 UJ
METHYLENE CHLORIDE	85000	11000	C	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B	6 B	11 B
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	3 J	5 J	130	34	12	6 J	6 UJ
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR	12 UR	12 UR
TOLUENE	630000	500000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROFLUOROMETHANE	NC	79000	N	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	2 J
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U	1000 U	990 U
DIBENZOFURAN	7800	7800	N	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U	400 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U	220 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	400 U	390 U	260 J	390 U	1100	410	440 U	84 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U	190 J	400 U
ACENAPHTHYLENE	470000	340000	N[5]	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
ANTHRACENE	2300000	1700000	N	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U	290 J	400 U
BAP EQUIVALENT-HALFND	22	15		397	400 U	390 U	470 U	390 U	1415	899	440 U	635	400 U
BAP EQUIVALENT-POS	22	15	C	188	400 U	390 U	470 U	390 U	1210	704	440 U	433	400 U
BENZO(A)ANTHRACENE	220	150	C	200 J	400 U	390 U	470 U	390 U	900	520	440 U	400 J	400 U
BENZO(A)PYRENE	22	15	C	150 J	400 U	390 U	470 U	390 U	960	560	440 U	340 J	400 U
BENZO(B)FLUORANTHENE	220	150	C	170 J	400 U	390 U	470 U	390 U	960	570	440 U	340 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U	210 J	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U	400 U	400 U
CHRYSENE	22000	15000	C	240 J	400 U	390 U	470 U	390 U	1200	650	440 U	490	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
FLUORANTHENE	310000	230000	N	430	110 J	390 U	140 J	390 U	1400	820	440 U	620	400 U
FLUORENE	310000	230000	N	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U	250 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U	190 J	400 U
NAPHTHALENE	160000	3600	C	380 U	400 U	390 U	250 J	390 U	1200	460	440 U	110 J	400 U
PHENANTHRENE	2300000	170000	N[7]	530	120 J	390 U	570	390 U	2200	1300	440 U	1300	400 U
PYRENE	230000	170000	N	720	180 J	390 U	220 J	390 U	2900	1700	440 U	1100	400 U
TOTAL PAHS	NC	NC		2607	410	0 U	1910	0 U	15910	8576	0 U	5914	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL	0.37 UL	0.36 U
ARSENIC	0.43	0.39	C	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B	0.77 B	2.7
BARIUM	1600	1500	N	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9	17.5	11.7
BERYLLIUM	16	16	N	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51	0.34	0.48
CADMIUM	3.9	7	N	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U	0.04 U	0.38 U
CHROMIUM	12000 [8]	12000	N[8]	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4	54.1	12.6
COBALT	NC	2.3	N	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8	3	3.3
COPPER	310	310	N	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1	2.3 B	8.3
LEAD	400	400		3.6	5	9.4	9.3	7.1	6.6	8.9	5.9	1.8	3.7
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02
MOLYBDENUM	NC	39	N	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U	0.28	0.46
NICKEL	160	150	N	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9	2.7	5.2
SELENIUM	39	39	N	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U	0.32 U	0.31 UL
SILVER	39	39	N	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL	0.09 UL	0.38 UL
VANADIUM	7.8	39	N[11]	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6	5.7	28.6
ZINC	2300	2300	N	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8	21	11.9
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U	6100	9000
TPH (C09-C36)	NC	NC		130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B	110000	2900 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	83	84	70	85	81	84	75	82	83
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463
SAMPLE ID				SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506
SAMPLE DATE				20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	2	3	5	7	2	3	5
BOTTOM DEPTH				10	5	10	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	30 UR	30 UR	31 UR	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	17 J	37 L	16 J	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	9 B	10 B	5 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		12 UR	12 UR	12 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	980 U	980 U	1000 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	2.4	3.4	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	2.9	8.7	11	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	7.5	9.4	16.6	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	1.8	2.6	3	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.6	5.3	9.3	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		1.6	2.6	3.5	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U	0.063	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	0.17	0.3 K	1.2	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	3	3.4	5.1	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	13.7	17.8	26.3	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	4	9	10.5	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2800 U	2900 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		3800 J	6000 U	6100 U	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	87.1	87.1	79.1	81.5	73.9	78.8	81.1
TOTAL SOLIDS	NC	NC		84	84	81	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-463	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466
SAMPLE ID				SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 UJ	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80	89.4	81	79.3	84.7	89.9	84.7	83.9	84.2	89.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-466	SB-466	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468
SAMPLE ID				SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.6	82.9	84.4	88.6	88.5	83.6	86.4	85.5	85.1	83.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621
SAMPLE ID			SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5
SAMPLE DATE			20071023	20071023	20071023	20071023	20071023	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	2	3	5	7	5	6	6	6	5
BOTTOM DEPTH			8	3	4	6	8	5	6	6	6	5
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**23**	1.5 U	1.5 U	1.5 U	**22**
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**22**	1.5 U	1.5 U	1.5 U	**21**
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	21	1.1 U	1.1 U	1.1 U	17
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**17**	1.5 U	1.5 U	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	20	1.4 U	1.4 U	1.4 U	14
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	24	1.1 U	1.05 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	7.9	1.8 U	1.75 U	1.7 U	18
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	89.9	0 U	0 U	0 U	83
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.6	87.4	82.2	83.6	84.6	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815
SAMPLE ID				H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	5	6	5	6	3	5	7	9	3
BOTTOM DEPTH				6	5	6	5	6	3	5	7	9	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U
BAP EQUIVALENT-HALFND	22	15		1.5 U	3.546	1.5 U	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.951	1.5 U	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	11	1.1 U	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	8.4	1.4 U	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	1.9 U	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U
CHRYSENE	22000	15000	C	1 U	11	1 U	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U
TOTAL PAHS	NC	NC		0 U	30.4	0 U	128	166	0 U	0 U	0 U	5958	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID				H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-816-09	H-SB-817-03
SAMPLE DATE				20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	3	3	5	7	9	9	3
BOTTOM DEPTH				5	7	9	3	3	3	5	7	9	9	3
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	30 J	3.7 UJ
ACENAPHTHYLENE	470000	340000	N[9]	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	34 J	3.7 UJ
BAP EQUIVALENT-HALFND	22	15		11	3.9 U	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	79	3.7 U
BAP EQUIVALENT-POS	22	15	C	8.7	3.9 U	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	77	3.7 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.9 U	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	42	3.7 U
BENZO(A)PYRENE	22	15	C	8.7	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	62 J	3.7 UJ
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	61 J	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	3.9 U	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	56 J	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	3.9 U	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	26 J	3.7 UJ
CHRYSENE	22000	15000	C	1.3 UJ	1.3 UJ	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	48	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	4.1 UJ	3.7 UJ
FLUORANTHENE	310000	230000	N	10	3.9 U	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	81 J	3.7 UJ
FLUORENE	310000	230000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	32 J	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.9 U	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	47 J	3.7 UJ
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	3.9 U	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	77 J	3.7 UJ
PYRENE	230000	170000	N	16	3.9 U	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	110	3.7 U
TOTAL PAHS	NC	NC		34.7	0 U	431	0 U	0 U	0 U	78	0 U	706	706	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE				20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	7	7	9
BOTTOM DEPTH				5	7	7	7	9
VOLATILES (UG/KG)								
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[6]	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		38	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	36	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	16	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15	C	32 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	21 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
CHRYSENE	22000	15000	C	14	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	33 J	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	310000	230000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	230000	170000	N	36	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	NC	NC		152	0 U	0 U	0 U	32
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472
SAMPLE ID				SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21 J**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6	81.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474
SAMPLE ID				SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708
SAMPLE DATE				20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	31	490	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095	0.018 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		83.1	83.2	87.9	85.1	76.1	80.5	86	77.6	90.9	86.3
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477
SAMPLE ID			SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304
SAMPLE DATE			20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U	0.02 U	0.021 U	0.021 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87	81.8	81.4	83.3	85.8	79.9	83.3	83.6	78.2	79.8
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479	SB-479
SAMPLE ID			SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708
SAMPLE DATE			20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH			6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.6	84.9	87.7	85.1	86.7	83.8	85.9	83.8	84.6	85.9
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID			SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE			20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.019 U	0.019 U	0.02 U	0.019 U	0.21	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	89.5	88.1	84.1	85.6	85.8	84.3	82.2	82.6	82.7	85.1
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484
SAMPLE ID				SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28 J	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	28	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.035	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84	82.7	82.9	81.6	83.5	82.9	86.2	82.7	86.5	84.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487
SAMPLE ID				SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BAP EQUIVALENT-POS	22	15	C	43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	43 J	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.7	84.4	85	84.8	86.3	84.9	81.3	85.6	82.4	88
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID				SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC		83.8	85.3	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC		NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282 H-SB-282RE-10 20090929 NORMAL SO NORMAL SB 10 10	SB-282 H-SB-282RE-3 20090929 NORMAL SO NORMAL SB 3 3	SB-282 H-SB-282RE-4 20090929 NORMAL SO NORMAL SB 4 4	SB-282 H-SB-282RE-5 20090929 NORMAL SO NORMAL SB 5 5	SB-282 H-SB-282RE-6 20090929 NORMAL SO NORMAL SB 6 6	SB-282 H-SB-282RE-7 20090929 ORIG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-AVG 20090929 AVG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-D 20090929 DUP SO NORMAL SB 7 7	SB-282 H-SB-282RE-8 20090929 NORMAL SO NORMAL SB 8 8	SB-282 H-SB-282RE-9 20090929 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1080	149	182	1063	539	180	105	30	71	3534
BAP EQUIVALENT-POS	22	15	C	1080	149	182	1063	539	180	105	30	71	3534
BENZO(A)ANTHRACENE	220	150	C	810	110	140	910	470	160 J	95.5	31 J	58	3300
BENZO(A)PYRENE	22	15	C	700	88	110	670	330	100 J	60.5	21 J	38	2300
BENZO(B)FLUORANTHENE	220	150	C	920	110	120	840	470	160 J	94	28 J	62	3200
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	300	41	68	270	150	60 J	35.5	11 J	12	980
CHRYSENE	22000	15000	C	960	110	160	1000	520	170 J	102.5	35 J	70	3900
DIBENZO(A,H)ANTHRACENE	22	15	C	160	32	37	170	91	39 J	19.875	1.5 UJ	18	430
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	430	64	82	440	220	84 J	54.5	25 J	31	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4280	555	717	4300	2251	773	462	151	289	15510
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282A H-SB-282REA-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282A H-SB-282REA-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282A H-SB-282REA-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282A H-SB-282REA-9 20091110 ORIG SO NORMAL SB 9 9	SB-282A H-SB-282REA-9-AVG 20091110 AVG SO NORMAL SB 9 9	SB-282A H-SB-282REA-9-D 20091110 DUP SO NORMAL SB 9 9	SB-282B H-SB-282REB-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282B H-SB-282REB-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282B H-SB-282REB-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282B H-SB-282REB-9 20091110 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U	1.5 U	1658
BAP EQUIVALENT-POS	22	15	C	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U	1.5 U	1657
BENZO(A)ANTHRACENE	220	150	C	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U	1.1 U	2000
BENZO(A)PYRENE	22	15	C	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U	1.4 U	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U	2 U	740
CHRYSENE	22000	15000	C	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U	1.1 U	2300
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	3.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	770
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	0 U	0 U	0 U	0 U	28.9	0 U	0 U	8710
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C H-SB-282REC-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282C H-SB-282REC-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282C H-SB-282REC-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282C H-SB-282REC-9 20091110 ORIG SO NORMAL SB 9 9	SB-282C H-SB-282REC-9-AVG 20091110 AVG SO NORMAL SB 9 9	SB-282C H-SB-282REC-9-D 20091110 DUP SO NORMAL SB 9 9	SB-282D H-SB-282RED-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282D H-SB-282RED-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282D H-SB-282RED-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282D H-SB-282RED-9 20091110 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	220
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	210
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	210
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U	2 U	2.1 U	90
CHRYSENE	22000	15000	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	230
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	42
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1112
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604	SB-604
SAMPLE ID				H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6
SAMPLE DATE				20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	5	6	3	4	5	6
BOTTOM DEPTH				3	4	3	4	5	6	3	4	5	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	13	16	1.5 U	195	1.6 U	364	125
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	12	15	1.5 U	195	1.6 U	364	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	12	13	1.1 U	130	1.2 U	270	110
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	10	11	1.5 U	130	1.6 U	260	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U	110	1.5 U	260	100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U	64	2.1 U	91	36
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	12	11	1 U	150	1.1 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	33	1.6 U	37	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U	68	1.8 U	130	49
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	45	69.4	0 U	685	0 U	1318	503
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604	SB-604A	SB-604A	SB-604A	SB-604B	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D
SAMPLE ID				H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D
SAMPLE DATE				20090924	20091109	20091109	20091109	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	3	5	7	3	3	3
BOTTOM DEPTH				7	3	5	7	3	5	7	3	3	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	19	1.1 U	1.1 U	1400	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28	1.6 U	1.5 U	1200	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	16	1.4 U	1.4 U	1200	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	11	2 U	2 U	530	2 U	2.1 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	21	1.1 U	1 U	1300	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	210	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	19	1.8 U	1.7 U	510	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	114	0 U	0 U	6350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608
SAMPLE ID				H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4
SAMPLE DATE				20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	3	4	3	4	3	4	3	4
BOTTOM DEPTH				5	7	3	4	3	4	3	4	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.7 U	23	1.5 U	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.7 U	23	1.5 U	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.3 U	21	1.1 U	9	1.1 U	1.2 U	1.1 U	1.2 U	9
BENZO(A)PYRENE	22	15	C	1.7 U	1.7 U	17	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	1.6 U	15	1.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.3 U	8.3	1.9 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.2 U	1.2 U	21	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	2 U	19	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	101.3	0 U	9	0 U	0 U	0 U	0 U	9
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-608 H-SB-608-4-AVG 20090925 AVG SO NORMAL SB 4 4	SB-608 H-SB-608-4-D 20090925 DUP SO NORMAL SB 4 4	SB-609 H-SB-609-3 20090925 NORMAL SO NORMAL SB 3 3	SB-609 H-SB-609-4 20090925 NORMAL SO NORMAL SB 4 4	SB-610 H-SB-610-3 20090925 NORMAL SO NORMAL SB 3 3	SB-610 H-SB-610-4 20090925 NORMAL SO NORMAL SB 4 4	SB-610 H-SB-610-5 20090925 NORMAL SO NORMAL SB 5 5	SB-610 H-SB-610-6 20090925 NORMAL SO NORMAL SB 6 6	SB-610 H-SB-610-7 20090925 NORMAL SO NORMAL SB 7 7	SB-610B H-SB-610B-3 20091109 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.8	1.7 U	**20**	**47**	**477**	**62**	**20**	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	0.9	1.7 U	**20**	**46**	**477**	**61**	**19**	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4.8	1.2 U	19	44	**410**	54	22 J	1.1 UJ	1.1 UJ	1.2 U
BENZO(A)PYRENE	22	15	C	1.65 U	1.7 U	**16**	**36**	**320**	**47**	15 J	1.6 UJ	1.5 UJ	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	16	37	**320**	50	15 J	1.4 UJ	1.4 UJ	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.15 U	2.2 U	2.1 U	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	20	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.6 U	1.6 U	**66**	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	16	**160**	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.5	0 U	71	199	1816	264	83.7	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	36 J	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-610B	SB-610B	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611
SAMPLE ID				H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5
SAMPLE DATE				20091109	20091109	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	3	5	3	5	3	4	5
BOTTOM DEPTH				5	5	5	3	5	3	5	3	4	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.15 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11
BENZO(A)PYRENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.45 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.05 U	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID				H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE				20090925	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	3	5	3	5	5	5	10
BOTTOM DEPTH				6	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
CHRYSENE	22000	15000	C	1.1 U	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	102	1363	0 U	0 U	0 U	0 U	19600
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282
SAMPLE ID				MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405
SAMPLE DATE				20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	5	10	5	10	5	10	5	10	4
BOTTOM DEPTH				9	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U	NA
2-BUTANONE	4700000	2800000	N	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U	29 UR
ACETONE	7000000	6100000	N	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J	15 B
CARBON DISULFIDE	780000	82000	N	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
ETHYLBENZENE	780000	5400	C	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J	6 B
NAPHTHALENE	160000	3600	C	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J	12 UR
TOLUENE	630000	500000	N	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3	6 U
TRICHLOROETHENE	1600	2800	C	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4	6 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U	12 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J	960 UJ
DIBENZOFURAN	7800	7800	N	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U	380 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U	380 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHENE	470000	340000	N	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ANTHRACENE	2300000	1700000	N	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BAP EQUIVALENT-HALFND	22	15		NA	165	943	82 U	100	83 U	120	83 U	80 U	380 U
BAP EQUIVALENT-POS	22	15	C	NA	124	943	82 U	2.3	83 U	75	83 U	80 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U	380 U
BENZO(A)PYRENE	22	15	C	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U	380 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U	380 U
CHRYSENE	22000	15000	C	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U	380 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U	380 U
FLUORANTHENE	310000	230000	N	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U	380 U
FLUORENE	310000	230000	N	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U	380 U
NAPHTHALENE	160000	3600	C	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U	380 U
PHENANTHRENE	2300000	170000	N[7]	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U	380 U
PYRENE	230000	170000	N	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U	380 U
TOTAL PAHS	NC	NC		NA	1642	12472	0 U	129	0 U	558	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8	0.67 UR
ARSENIC	0.43	0.39	C	NA	5	4	3	1	4	2	3	4	3.5
BARIUM	1600	1500	N	NA	36	79	26	15	25	20	22	15	11.6
BERYLLIUM	16	16	N	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5	1.8
CADMIUM	3.9	7	N	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09	0.07 U
CHROMIUM	12000 [8]	12000	N[8]	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6	18.5 K
COBALT	NC	2.3	N	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3	6.7
COPPER	310	310	N	NA	14	17	10	6	12	10	23	12	23 K
LEAD	400	400		NA	14	17	4 B	5	17	11	13	5	5.7
MERCURY	2.3 [9]	2.3	N[10]	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L	0.01 U
MOLYBDENUM	NC	39	N	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U	0.43 B
NICKEL	160	150	N	NA	22	27	5	10	35	33	44	19	17.7
SELENIUM	39	39	N	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U	0.59 UL
SILVER	39	39	N	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U	0.08 U
VANADIUM	7.8	39	N[11]	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2	27.2 K
ZINC	2300	2300	N	NA	44	62	25	30	51	68	55	26	28.1 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U	2900 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	4600 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	86
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA	NA
TOTAL ORGANIC CARBON	NC	NC		1350	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	4.9	5	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID				SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE				20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U	6 U	6 UJ
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR	30 UR	30 UR
ACETONE	7000000	6100000	N	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J	30 UR	32 J
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	12 UJ
METHYLENE CHLORIDE	85000	11000	C	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B	6 B	11 B
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	3 J	5 J	130	34	12	6 J	6 UJ
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR	12 UR	12 UR
TOLUENE	630000	500000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROFLUOROMETHANE	NC	79000	N	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	2 J
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U	1000 U	990 U
DIBENZOFURAN	7800	7800	N	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U	400 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U	220 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	400 U	390 U	260 J	390 U	1100	410	440 U	84 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U	190 J	400 U
ACENAPHTHYLENE	470000	340000	N[5]	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
ANTHRACENE	2300000	1700000	N	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U	290 J	400 U
BAP EQUIVALENT-HALFND	22	15		397	400 U	390 U	470 U	390 U	1415	899	440 U	635	400 U
BAP EQUIVALENT-POS	22	15	C	188	400 U	390 U	470 U	390 U	1210	704	440 U	433	400 U
BENZO(A)ANTHRACENE	220	150	C	200 J	400 U	390 U	470 U	390 U	900	520	440 U	400 J	400 U
BENZO(A)PYRENE	22	15	C	150 J	400 U	390 U	470 U	390 U	960	560	440 U	340 J	400 U
BENZO(B)FLUORANTHENE	220	150	C	170 J	400 U	390 U	470 U	390 U	960	570	440 U	340 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U	210 J	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U	400 U	400 U
CHRYSENE	22000	15000	C	240 J	400 U	390 U	470 U	390 U	1200	650	440 U	490	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
FLUORANTHENE	310000	230000	N	430	110 J	390 U	140 J	390 U	1400	820	440 U	620	400 U
FLUORENE	310000	230000	N	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U	250 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U	190 J	400 U
NAPHTHALENE	160000	3600	C	380 U	400 U	390 U	250 J	390 U	1200	460	440 U	110 J	400 U
PHENANTHRENE	2300000	170000	N[7]	530	120 J	390 U	570	390 U	2200	1300	440 U	1300	400 U
PYRENE	230000	170000	N	720	180 J	390 U	220 J	390 U	2900	1700	440 U	1100	400 U
TOTAL PAHS	NC	NC		2607	410	0 U	1910	0 U	15910	8576	0 U	5914	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL	0.37 UL	0.36 U
ARSENIC	0.43	0.39	C	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B	0.77 B	2.7
BARIUM	1600	1500	N	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9	17.5	11.7
BERYLLIUM	16	16	N	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51	0.34	0.48
CADMIUM	3.9	7	N	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U	0.04 U	0.38 U
CHROMIUM	12000 [8]	12000	N[8]	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4	54.1	12.6
COBALT	NC	2.3	N	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8	3	3.3
COPPER	310	310	N	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1	2.3 B	8.3
LEAD	400	400		3.6	5	9.4	9.3	7.1	6.6	8.9	5.9	1.8	3.7
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02
MOLYBDENUM	NC	39	N	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U	0.28	0.46
NICKEL	160	150	N	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9	2.7	5.2
SELENIUM	39	39	N	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U	0.32 U	0.31 UL
SILVER	39	39	N	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL	0.09 UL	0.38 UL
VANADIUM	7.8	39	N[11]	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6	5.7	28.6
ZINC	2300	2300	N	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8	21	11.9
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U	6100	9000
TPH (C09-C36)	NC	NC		130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B	110000	2900 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	83	84	70	85	81	84	75	82	83
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463
SAMPLE ID				SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506
SAMPLE DATE				20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	2	3	5	7	2	3	5
BOTTOM DEPTH				10	5	10	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	30 UR	30 UR	31 UR	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	17 J	37 L	16 J	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	9 B	10 B	5 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		12 UR	12 UR	12 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	980 U	980 U	1000 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	2.4	3.4	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	2.9	8.7	11	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	7.5	9.4	16.6	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	1.8	2.6	3	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.6	5.3	9.3	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		1.6	2.6	3.5	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U	0.063	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	0.17	0.3 K	1.2	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	3	3.4	5.1	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	13.7	17.8	26.3	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	4	9	10.5	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2800 U	2900 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		3800 J	6000 U	6100 U	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	87.1	87.1	79.1	81.5	73.9	78.8	81.1
TOTAL SOLIDS	NC	NC		84	84	81	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-463	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466
SAMPLE ID				SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 UJ	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80	89.4	81	79.3	84.7	89.9	84.7	83.9	84.2	89.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-466	SB-466	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468
SAMPLE ID				SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.6	82.9	84.4	88.6	88.5	83.6	86.4	85.5	85.1	83.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621
SAMPLE ID			SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5
SAMPLE DATE			20071023	20071023	20071023	20071023	20071023	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	2	3	5	7	5	6	6	6	5
BOTTOM DEPTH			8	3	4	6	8	5	6	6	6	5
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**23**	1.5 U	1.5 U	1.5 U	**22**
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**22**	1.5 U	1.5 U	1.5 U	**21**
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	21	1.1 U	1.1 U	1.1 U	17
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**17**	1.5 U	1.5 U	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	20	1.4 U	1.4 U	1.4 U	14
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	24	1.1 U	1.05 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	7.9	1.8 U	1.75 U	1.7 U	18
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	89.9	0 U	0 U	0 U	83
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.6	87.4	82.2	83.6	84.6	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815
SAMPLE ID				H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	5	6	5	6	3	5	7	9	3
BOTTOM DEPTH				6	5	6	5	6	3	5	7	9	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U
BAP EQUIVALENT-HALFND	22	15		1.5 U	3.546	1.5 U	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.951	1.5 U	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	11	1.1 U	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	8.4	1.4 U	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	1.9 U	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U
CHRYSENE	22000	15000	C	1 U	11	1 U	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U
TOTAL PAHS	NC	NC		0 U	30.4	0 U	128	166	0 U	0 U	0 U	5958	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID				H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-816-09	H-SB-817-03
SAMPLE DATE				20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	3	3	5	7	9	9	3
BOTTOM DEPTH				5	7	9	3	3	3	5	7	9	9	3
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	30 J	3.7 UJ
ACENAPHTHYLENE	470000	340000	N[9]	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	34 J	3.7 UJ
BAP EQUIVALENT-HALFND	22	15		11	3.9 U	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	79	3.7 U
BAP EQUIVALENT-POS	22	15	C	8.7	3.9 U	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	77	3.7 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.9 U	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	42	3.7 U
BENZO(A)PYRENE	22	15	C	8.7	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	62 J	3.7 UJ
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	61 J	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	3.9 U	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	56 J	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	3.9 U	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	26 J	3.7 UJ
CHRYSENE	22000	15000	C	1.3 UJ	1.3 UJ	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	48	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	4.1 UJ	3.7 UJ
FLUORANTHENE	310000	230000	N	10	3.9 U	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	81 J	3.7 UJ
FLUORENE	310000	230000	N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	32 J	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.9 U	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	47 J	3.7 UJ
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	4.1 U	3.7 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	3.9 U	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	77 J	3.7 UJ
PYRENE	230000	170000	N	16	3.9 U	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	110	3.7 U
TOTAL PAHS	NC	NC		34.7	0 U	431	0 U	0 U	0 U	78	0 U	706	706	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE				20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	7	7	9
BOTTOM DEPTH				5	7	7	7	9
VOLATILES (UG/KG)								
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[6]	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		38	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	36	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	16	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15	C	32 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	21 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
CHRYSENE	22000	15000	C	14	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	33 J	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	310000	230000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	230000	170000	N	36	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	NC	NC		152	0 U	0 U	0 U	32
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472
SAMPLE ID				SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21 J**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6	81.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474
SAMPLE ID				SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708
SAMPLE DATE				20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	31	490	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095	0.018 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		83.1	83.2	87.9	85.1	76.1	80.5	86	77.6	90.9	86.3
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477
SAMPLE ID				SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U	0.02 U	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		87	81.8	81.4	83.3	85.8	79.9	83.3	83.6	78.2	79.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479	SB-479
SAMPLE ID				SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.6	84.9	87.7	85.1	86.7	83.8	85.9	83.8	84.6	85.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID				SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE				20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.019 U	0.02 U	0.019 U	0.21	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		89.5	88.1	84.1	85.6	85.8	84.3	82.2	82.6	82.7	85.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484
SAMPLE ID				SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28 J	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	28	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.035	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84	82.7	82.9	81.6	83.5	82.9	86.2	82.7	86.5	84.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland
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LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487
SAMPLE ID				SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BAP EQUIVALENT-POS	22	15	C	43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	43 J	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.7	84.4	85	84.8	86.3	84.9	81.3	85.6	82.4	88
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID				SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC		83.8	85.3	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC		NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	67	165	848	14	120	1.6 U	16	1462	5.3
BAP EQUIVALENT-POS	66	165	848	13	119	1.6 U	15	1462	3.8
BENZO(A)ANTHRACENE	59	140	700	13	110	1.2 U	15	1400	10
BENZO(A)PYRENE	53	120	680	11	95	1.6 U	10	930	1.5 U
BENZO(B)FLUORANTHENE	46	110	630	9.5	82	1.5 U	13	1200	9.4
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31	44	290	2 U	46	2.1 U	2 U	470	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	63	140	730	12	110	1.1 U	15	1600	11
DIBENZO(A,H)ANTHRACENE	1.6 U	14	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	210	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	22	52	310	1.8 U	42	1.9 U	19	560	18
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	274	620	3340	45.5	485	0 U	72	6370	48.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	409	33	49	373	1.6 U	2123	1250
BAP EQUIVALENT-POS	1.6 U	1.6 U	409	32	48	373	1.6 U	2121	1249
BENZO(A)ANTHRACENE	1.1 U	1.1 U	250	14	53	350	1.2 U	1800	1100
BENZO(A)PYRENE	1.6 U	1.6 U	290	27	35	240	1.6 U	1700	990
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	230	17	50	290	1.5 U	1500	970
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	150	9.8	25	120	2.1 U	620	440
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	230	14	63	400	1.1 U	2000	1100
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	54	1.4 U	1.5 U	51	1.6 U	3.2 U	3.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	150	20	22	160	1.8 U	830	460
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1354	101.8	248	1611	0 U	8450	5060
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	289	1.5 U	225	1.5 U	1.5 U	1.5 U	34	33 U	1.6 U
BAP EQUIVALENT-POS	288	1.5 U	225	1.5 U	1.5 U	1.5 U	32	33 U	1.6 U
BENZO(A)ANTHRACENE	250	1.1 U	160	1.1 U	1.1 U	1.1 U	1.2 U	24 U	1.2 U
BENZO(A)PYRENE	230	1.5 U	150	1.5 U	1.5 U	1.5 U	1.6 U	33 U	1.6 U
BENZO(B)FLUORANTHENE	210	1.4 U	150	1.4 U	1.4 U	1.4 U	220	31 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	94	2 U	61	1.9 U	2 U	2 U	140	44 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	270	1 U	180	1 U	1.1 U	1.1 U	13	23 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	35	1.5 U	1.5 U	1.5 U	1.6 U	33 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	110	1.7 U	79	1.7 U	1.8 U	1.8 U	88	39 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1164	0 U	815	0 U	0 U	0 U	461	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.6	130	1.5 U	1.6 U	1.6 U	1.6 U	15	36	9.4
BAP EQUIVALENT-POS	0.96	130	1.5 U	1.6 U	1.6 U	1.6 U	14	35	8.4
BENZO(A)ANTHRACENE	9.6	120	1.1 U	1.1 U	1.1 U	1.1 U	12	30	1.1 UJ
BENZO(A)PYRENE	1.5 U	83	1.5 U	1.6 U	1.6 U	1.6 U	10	27	8.4 J
BENZO(B)FLUORANTHENE	1.4 U	80	1.4 U	1.4 U	1.4 U	1.4 U	9.6	24	1.5 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	37	2 U	2 U	2 U	2 U	2.2 U	13	2.1 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	120	1.1 U	1.1 U	1.1 U	1.1 U	11	32	12 J
DIBENZO(A,H)ANTHRACENE	1.5 U	22	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	45	1.8 U	1.8 U	1.8 U	1.8 U	18	23	1.8 UJ
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9.6	507	0 U	0 U	0 U	0 U	60.6	149	20.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	59	108	1.6 U	89	43	35	100	11	21
BAP EQUIVALENT-POS	58	107	1.6 U	88	42	34	99	10	21
BENZO(A)ANTHRACENE	50.275	100 J	1.1 U	77	41	22	53	13	20
BENZO(A)PYRENE	46.2	84 J	1.6 U	68	33	28	81	9.1	17
BENZO(B)FLUORANTHENE	43.375	86 J	1.4 U	84	34	25	83	1.4 U	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	25.025	49 J	2 U	29	15	14	37	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	54.5	97 J	1.1 U	87	39	24	73	11	22
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19.45	38 J	1.8 U	35	17	16	44	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	237.2	454	0 U	380	179	129	371	33.1	75
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	116	60	3.9	1.5 U	1.6 U	6.7	13	31 U	1.5 U
BAP EQUIVALENT-POS	115	58	2.2	1.5 U	1.6 U	6.3	12	31 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	5.775	11	1.1 U	1.1 U	6.775	13	22 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	5.15	9.5	31 U	1.5 U
BENZO(B)FLUORANTHENE	1100 J	555.5	11 J	1.4 U	1.4 U	4.8	8.9	28 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	470 J	235.525	2.1 UJ	2 U	2 U	2 U	2 U	40 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	47 J	30	13 J	1.1 U	1.1 U	6.275	12	21 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	31 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	35 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1617	826	35	0 U	0 U	21.7	43.4	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U
2-METHYLNAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U
ACENAPHTHENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U
ACENAPHTHYLENE	NA	NA	NA	4 U	4.1 U	8	3.9 U	9	4 U
ANTHRACENE	NA	NA	NA	4 U	4.1 U	12	3.9 U	45	4 U
BAP EQUIVALENT-HALFND	2.9	1.6 U	1.5 U	4 U	48	16	15	268	4 U
BAP EQUIVALENT-POS	0.98	1.6 U	1.5 U	4 U	46	14	13	268	4 U
BENZO(A)ANTHRACENE	9.7	1.1 U	1.1 U	4 U	27	11	3.9 U	140	4 U
BENZO(A)PYRENE	1.7 U	1.6 U	1.5 U	4 U	38	11	12	190	4 U
BENZO(B)FLUORANTHENE	1.6 U	1.4 U	1.4 U	4 U	34	9.2	11	180	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	4 U	29	9	9.9	160	4 U
BENZO(K)FLUORANTHENE	2.2 U	2 U	2 U	4 U	14	14	3.9 U	79	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
CHRYSENE	9	1.1 U	1.1 U	1.3 UJ	26 J	1.3 UJ	1.3 UJ	170	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	4 U	4.1 U	3.9 U	3.9 U	33	4 U
FLUORANTHENE	NA	NA	NA	4 U	42	12	9.7	210	4 U
FLUORENE	NA	NA	NA	4 U	4.1 U	8.7	3.9 U	16	4 U
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	4 U	20	13	3.9 U	120	4 U
NAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U
PHENANTHRENE	NA	NA	NA	4 U	19	11	3.9 U	120	4 U
PYRENE	NA	NA	NA	4 U	82	12	17	320	4 U
TOTAL PAHS	18.7	0 U	0 U	0 U	331	130.9	59.6	1812	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	11	3.9 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	13	3.9 U	3.9 U	3.9 U
ACENAPHTHENE	38 J	3.9 UJ	3.9 UJ	3.9 UJ
ACENAPHTHYLENE	3.9 U	3.9 U	3.9 U	3.9 U
ANTHRACENE	58 J	3.9 UJ	3.9 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	203	3.9 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	201	3.9 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	140 J	3.9 U	3.9 U	3.9 U
BENZO(A)PYRENE	160 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	170 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	140 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	68 J	3.9 UJ	3.9 UJ	3.9 UJ
C1-CHRYSENES	240 J	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	290 J	NA	NA	NA
C1-FLUORENES	79 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	220 J	NA	NA	NA
C2-CHRYSENES	140 J	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	79 U	NA	NA	NA
C2-NAPHTHALENES	79 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	180 J	NA	NA	NA
C3-CHRYSENES	79 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	79 U	NA	NA	NA
C3-NAPHTHALENES	79 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	100 J	NA	NA	NA
C4-CHRYSENES	79 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	79 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	79 U	NA	NA	NA
CHRYSENE	140 J	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 UJ	3.9 UJ	3.9 UJ	3.9 UJ
FLUORANTHENE	200 J	17 J	3.9 UJ	3.9 UJ
FLUORENE	42 J	3.9 UJ	3.9 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	94 J	3.9 UJ	3.9 UJ	3.9 UJ
NAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U
PHENANTHRENE	170 J	3.9 UJ	3.9 UJ	3.9 UJ
PYRENE	340 J	3.9 U	3.9 U	3.9 U
TOTAL PAHS	1773	17	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282
SAMPLE ID				H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13
BOTTOM DEPTH				11	12	13	14	15	11	12	13
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		67	165	848	14	120	1.6 U	16	1462
BAP EQUIVALENT-POS	22	15	C	66	165	848	13	119	1.6 U	14.715	1462
BENZO(A)ANTHRACENE	220	150	C	59	140	700	13	110	1.2 U	15	1400
BENZO(A)PYRENE	22	15	C	53	120	680	11	95	1.6 U	10	930
BENZO(B)FLUORANTHENE	220	150	C	46	110	630	9.5	82	1.5 U	13	1200
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	44	290	2 U	46	2.1 U	2 U	470
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	63	140	730	12	110	1.1 U	15	1600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	14	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	210
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	22	52	310	1.8 U	42	1.9 U	19	560
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		274	620	3340	45.5	485	0 U	72	6370

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-282	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B
SAMPLE ID			H-SB-282RE-14	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15
SAMPLE DATE			20090929	20090929	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			14	15	11	13	15	11	13	15
BOTTOM DEPTH			14	15	11	13	15	11	13	15
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	5.3	1.6 U	1.6 U	409	33	49	373	1.6 U
BAP EQUIVALENT-POS	22	15 C	3.8	1.6 U	1.6 U	409	32	48	373	1.6 U
BENZO(A)ANTHRACENE	220	150 C	10	1.1 U	1.1 U	250	14	53	350	1.2 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.6 U	1.6 U	290	27	35	240	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	9.4	1.5 U	1.4 U	230	17	50	290	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.1 U	2.1 U	150	9.8	25	120	2.1 U
C1-CHRYSENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	11	1.1 U	1.1 U	230	14	63	400	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.6 U	1.6 U	54	1.4 U	1.5 U	51	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	18	1.8 U	1.8 U	150	20	22	160	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	48.4	0 U	0 U	1354	101.8	248	1611	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C	SB-282C	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285
SAMPLE ID				H-SB-282REC-11	H-SB-282REC-13	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12
SAMPLE DATE				20091110	20091110	20091110	20091110	20091110	20091110	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	12
BOTTOM DEPTH				11	13	15	11	13	15	11	12
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2123	1250	289	1.5 U	225	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	2121	1249	288	1.5 U	225	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1800	1100	250	1.1 U	160	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1700	990	230	1.5 U	150	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1500	970	210	1.4 U	150	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	620	440	94	2 U	61	1.9 U	2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2000	1100	270	1 U	180	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.2 U	3.3 U	1.5 U	1.5 U	35	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	830	460	110	1.7 U	79	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8450	5060	1164	0 U	815	0 U	0 U	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-286RE	SB-286RE	SB-286RE	SB-596	SB-596	SB-597	SB-597	SB-598
SAMPLE ID				H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11
SAMPLE DATE				20090925	20090925	20090925	20090929	20090929	20090928	20090928	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	15	11	12	11	12	11
BOTTOM DEPTH				11	12	15	11	12	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		34	33 U	1.6 U	2.6	130	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	32	33 U	1.6 U	0.96	130	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	24 U	1.2 U	9.6	120	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	33 U	1.6 U	1.5 U	83	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	220	31 U	1.5 U	1.4 U	80	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	140	44 U	2.1 U	2 U	37	2 U	2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13	23 U	1.1 U	1.1 U	120	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	33 U	1.6 U	1.5 U	22	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	88	39 U	1.9 U	1.8 U	45	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		461	0 U	0 U	9.6	507	0 U	0 U	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-598	SB-599	SB-599	SB-612	SB-612	SB-612	SB-612	SB-613
SAMPLE ID				H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11
SAMPLE DATE				20090929	20090929	20090929	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	11	11	11	12	11
BOTTOM DEPTH				12	11	12	11	11	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	15	36	9.4	59	108	1.6 U	89
BAP EQUIVALENT-POS	22	15	C	1.6 U	14	35	8.4	58	107	1.6 U	88
BENZO(A)ANTHRACENE	220	150	C	1.1 U	12	30	1.1 UJ	50.275	100 J	1.1 U	77
BENZO(A)PYRENE	22	15	C	1.6 U	10	27	8.4 J	46.2	84 J	1.6 U	68
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	9.6	24	1.5 UJ	43.375	86 J	1.4 U	84
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.2 U	13	2.1 UJ	25.025	49 J	2 U	29
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	11	32	12 J	54.5	97 J	1.1 U	87
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	18	23	1.8 UJ	19.45	38 J	1.8 U	35
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	60.6	149	20.4	237.2	454	0 U	380

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-613	SB-614	SB-614	SB-615	SB-615	SB-616	SB-616	SB-616
SAMPLE ID				H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D
SAMPLE DATE				20090928	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	11	12	11	11	11
BOTTOM DEPTH				12	11	12	11	12	11	11	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	35	100	11	21	116	60	3.9
BAP EQUIVALENT-POS	22	15	C	42	34	99	10	21	115	58	2.2
BENZO(A)ANTHRACENE	220	150	C	41	22	53	13	20	1.1 U	5.775	11
BENZO(A)PYRENE	22	15	C	33	28	81	9.1	17	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	34	25	83	1.4 U	16	1100 J	555.5	11 J
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	14	37	2 U	2 U	470 J	235.525	2.1 UJ
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	39	24	73	11	22	47 J	30	13 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	17	16	44	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		179	129	371	33.1	75	1617	826	35

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-616	SB-617	SB-617	SB-617	SB-617	SB-618	SB-618	SB-619
SAMPLE ID				H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11	H-SB-618-12	H-SB-619-11
SAMPLE DATE				20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	11	11	12	11	12	11
BOTTOM DEPTH				12	11	11	11	12	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	6.7	13	31 U	1.5 U	2.9	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	6.3	12	31 U	1.5 U	0.98	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	6.775	13	22 U	1.1 U	9.7	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	5.15	9.5	31 U	1.5 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	4.8	8.9	28 U	1.4 U	1.6 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	40 U	2 U	2.2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	6.275	12	21 U	1.1 U	9	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	31 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.8 U	35 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	21.7	43.4	0 U	0 U	18.7	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

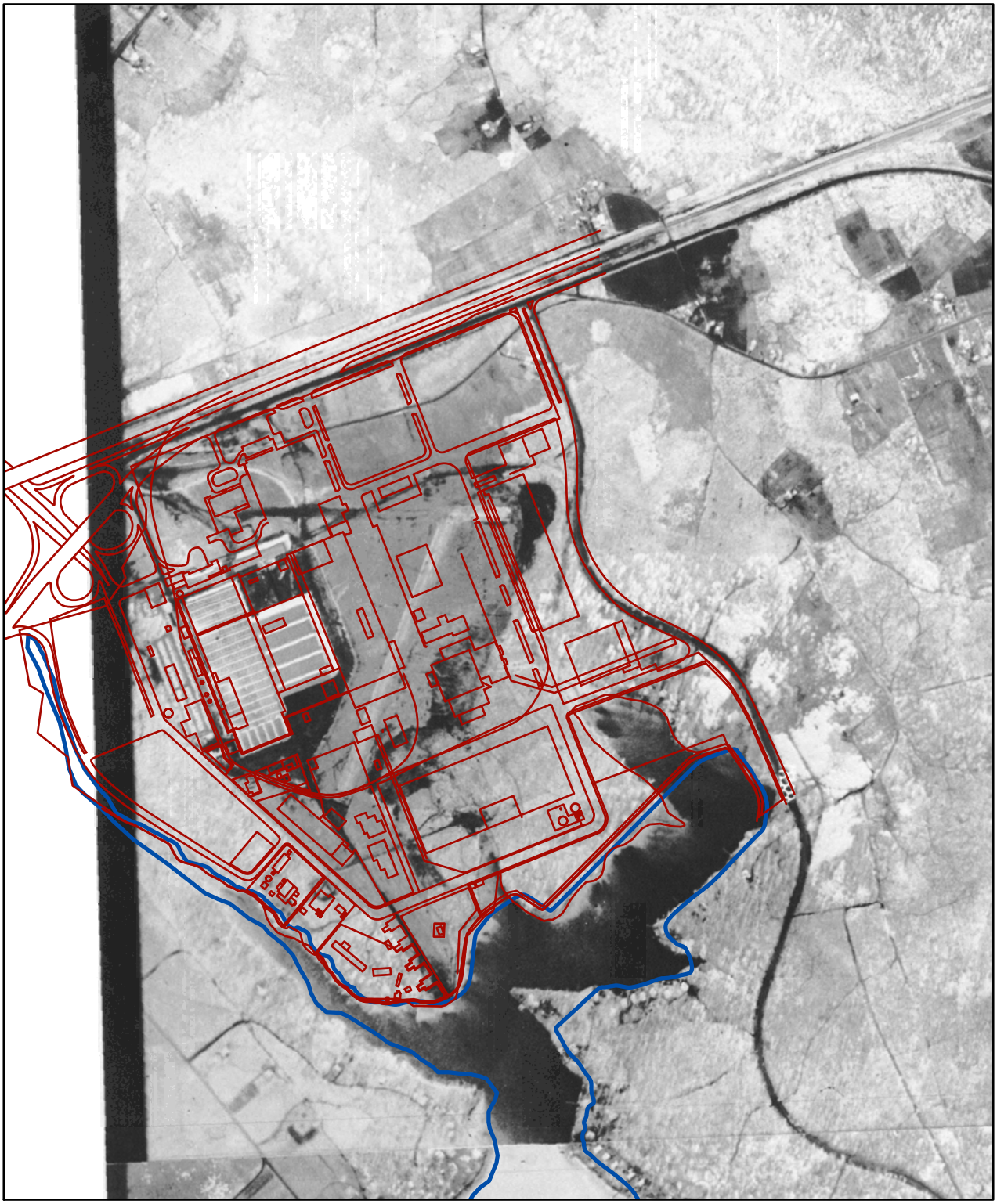
LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816
SAMPLE ID			H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11
SAMPLE DATE			20090925	20100826	20100826	20100826	20100826	20100826	20100826	20100827
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			12	11	13	15	11	13	15	11
BOTTOM DEPTH			12	11	13	15	11	13	15	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U	11
2-METHYLNAPHTHALENE	31000	31000 N	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U	13
ACENAPHTHENE	470000	340000 N	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U	38 J
ACENAPHTHYLENE	470000	340000 N[4]	NA	4 U	4.1 U	8	3.9 U	9	4 U	3.9 U
ANTHRACENE	2300000	1700000 N	NA	4 U	4.1 U	12	3.9 U	45	4 U	58 J
BAP EQUIVALENT-HALFND	22	15	1.5 U	4 U	48	16	15	268	4 U	203
BAP EQUIVALENT-POS	22	15 C	1.5 U	4 U	46	14	13	268	4 U	201
BENZO(A)ANTHRACENE	220	150 C	1.1 U	4 U	27	11	3.9 U	140	4 U	140 J
BENZO(A)PYRENE	22	15 C	1.5 U	4 U	38	11	12	190	4 U	160 J
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	4 U	34	9.2	11	180	4 U	170 J
BENZO(G,H,I)PERYLENE	230000	170000 N[5]	NA	4 U	29	9	9.9	160	4 U	140 J
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	4 U	14	14	3.9 U	79	4 U	68 J
C1-CHRYSENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	240 J
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	290 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	220 J
C2-CHRYSENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	140 J
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	180 J
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	100 J
CHRYSENE	22000	15000 C	1.1 U	1.3 UJ	26 J	1.3 UJ	1.3 UJ	170	1.3 UJ	140 J
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	4 U	4.1 U	3.9 U	3.9 U	33	4 U	3.9 UJ
FLUORANTHENE	310000	230000 N	NA	4 U	42	12	9.7	210	4 U	200 J
FLUORENE	310000	230000 N	NA	4 U	4.1 U	8.7	3.9 U	16	4 U	42 J
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	4 U	20	13	3.9 U	120	4 U	94 J
NAPHTHALENE	160000	3600 C	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U	3.9 U
PHENANTHRENE	2300000	170000 N[5]	NA	4 U	19	11	3.9 U	120	4 U	170 J
PYRENE	230000	170000 N	NA	4 U	82	12	17	320	4 U	340 J
TOTAL PAHS	NC	NC	0 U	0 U	331	130.9	59.6	1812	0 U	1773

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE				20100827	20100827	20100827
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				11	13	15
BOTTOM DEPTH				11	13	15
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	3.9 U
ACENAPHTHENE	470000	340000	N	3.9 UJ	3.9 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[4]	3.9 U	3.9 U	3.9 U
ANTHRACENE	2300000	1700000	N	3.9 UJ	3.9 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		3.9 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.9 U	3.9 U
BENZO(A)PYRENE	22	15	C	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 UJ	3.9 UJ	3.9 UJ
C1-CHRYSENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 UJ	3.9 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	17 J	3.9 UJ	3.9 UJ
FLUORENE	310000	230000	N	3.9 UJ	3.9 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 UJ	3.9 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	3.9 U
PHENANTHRENE	2300000	170000	N[5]	3.9 UJ	3.9 UJ	3.9 UJ
PYRENE	230000	170000	N	3.9 U	3.9 U	3.9 U
TOTAL PAHS	NC	NC		17	0 U	0 U

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

APPENDIX B—HISTORIC AERIALS



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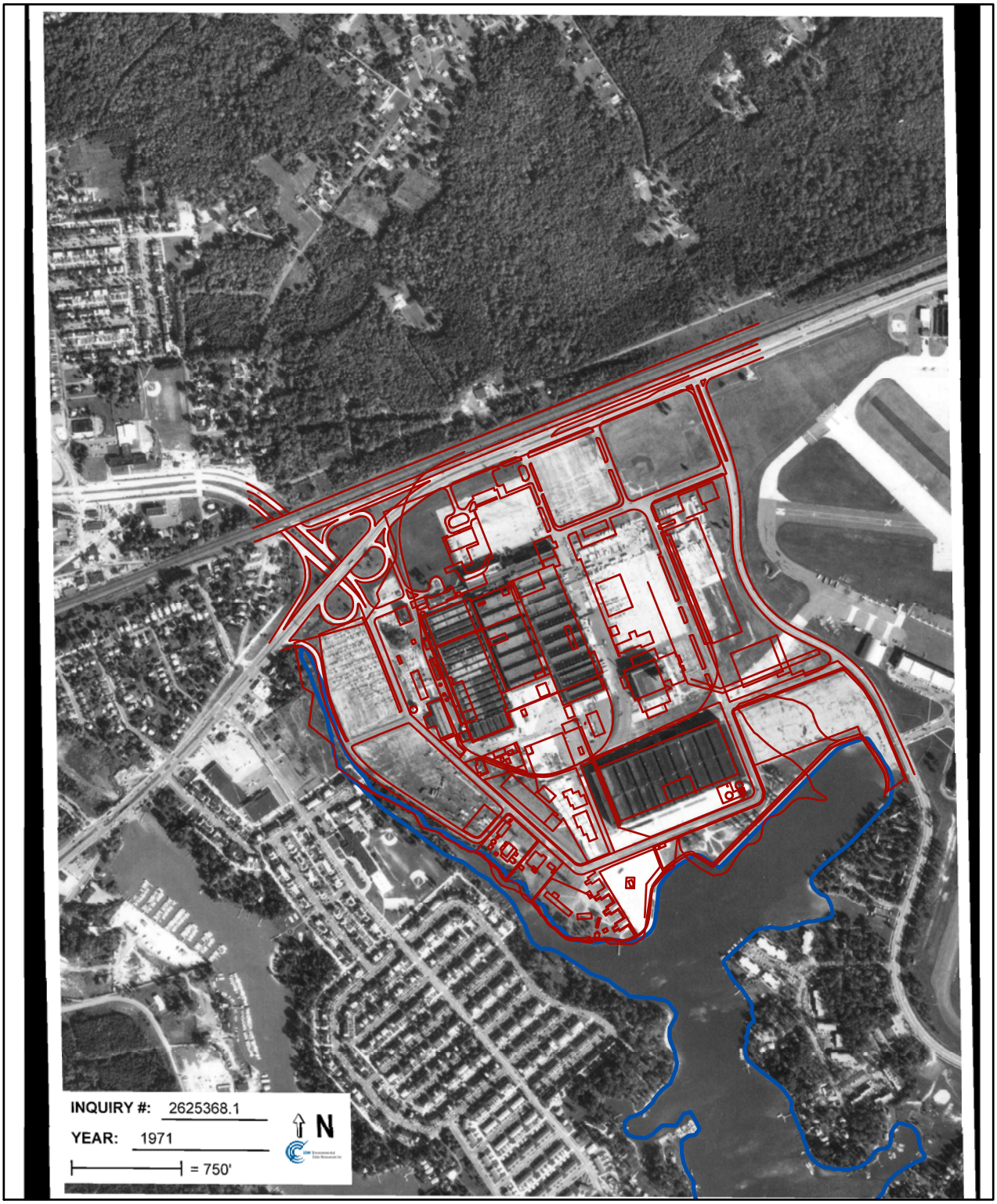

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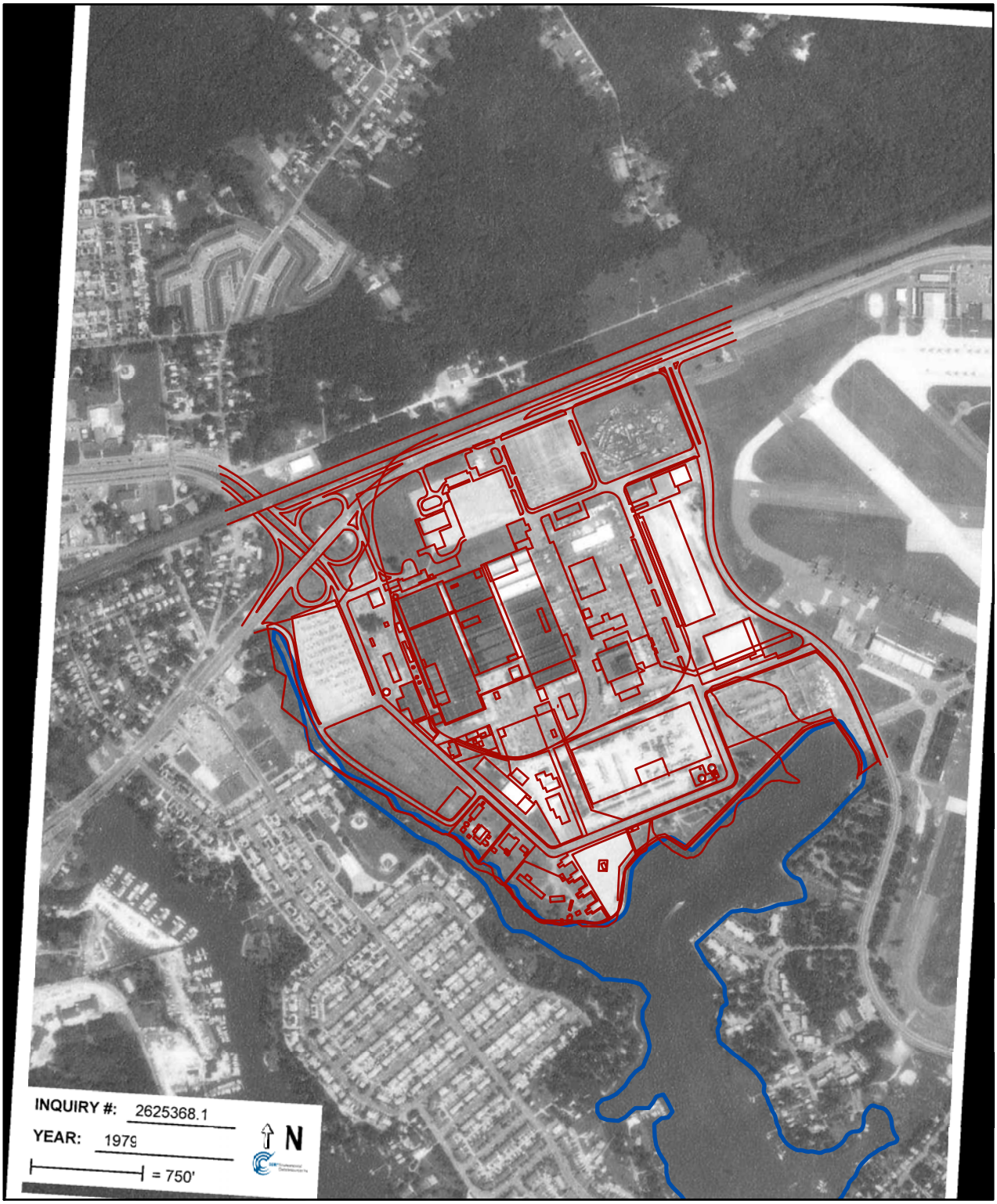

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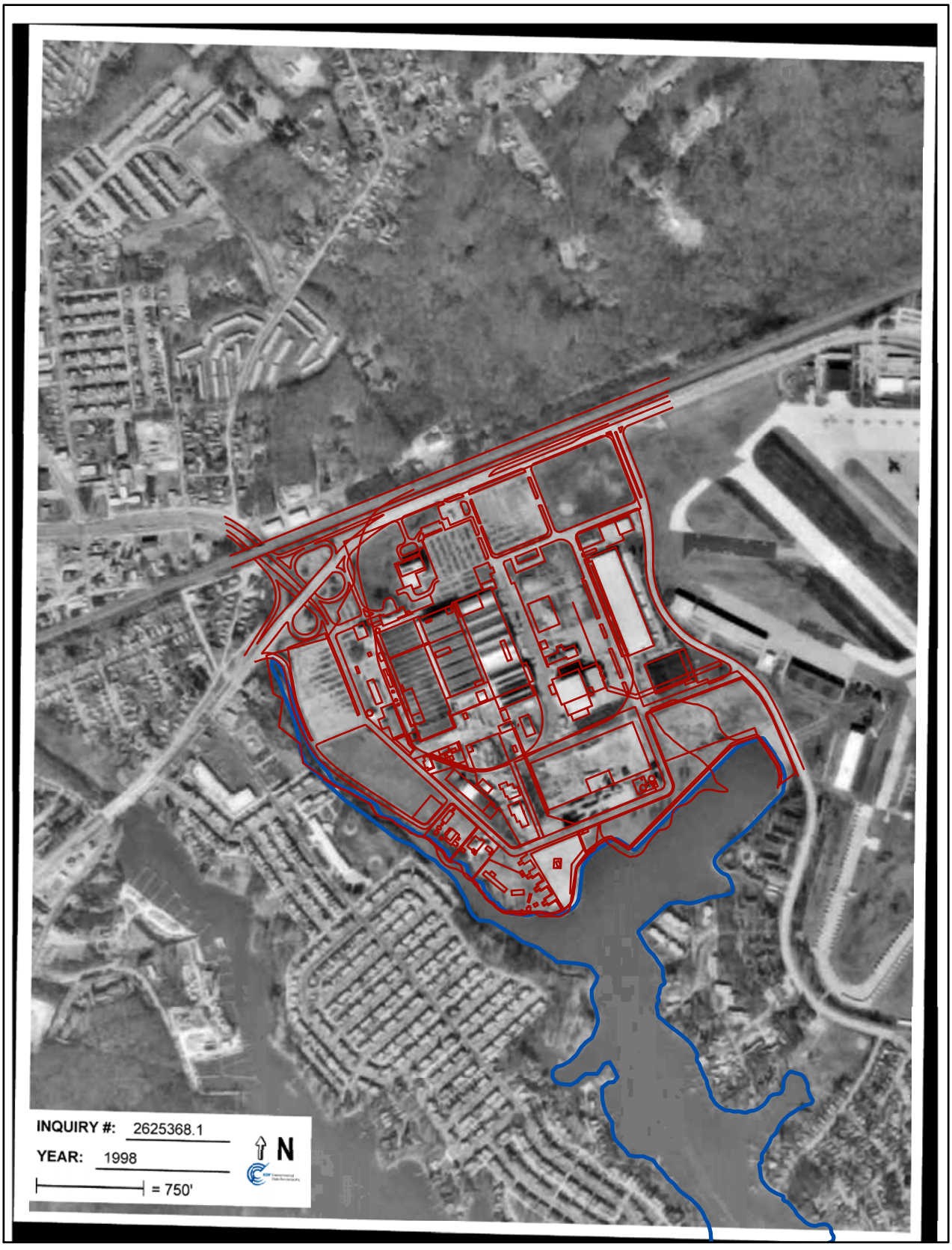

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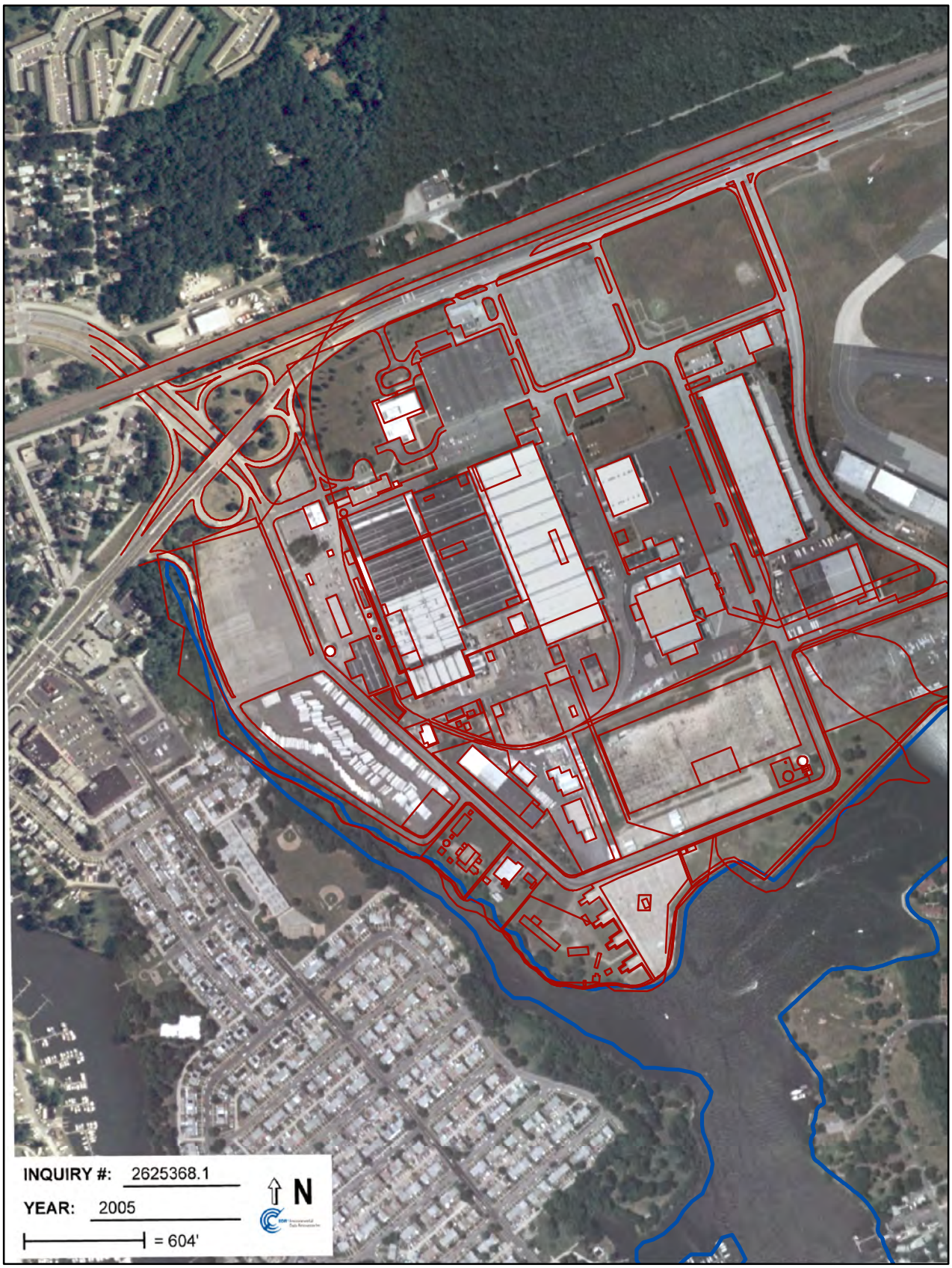

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APPENDIX C—STATE OF MARYLAND BACKGROUND DATA FOR ARSENIC

STATE OF MARYLAND

DEPARTMENT OF THE ENVIRONMENT

CLEANUP STANDARDS FOR SOIL AND GROUNDWATER

JUNE 2008

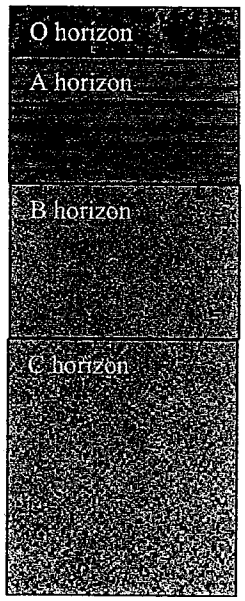
INTERIM FINAL GUIDANCE

(UPDATE No. 2.1)

Appendix 2

REFERENCE LEVELS OF METALS AND TRACE ELEMENTS IN SOILS OF MARYLAND

As Indicated by Background Soil Samples
Collected As Part of National Priorities List, Federal Facility,
And CERCLA Investigations Conducted
Throughout Maryland



INTRODUCTION

The 1980 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) established a national process for investigating and remediating sites contaminated with hazardous substances. Since that time the environmental industry and government sectors have labored to establish cleanup standards that are practical and protective of human health and the environment.

One remediation approach commonly considered is clean up to "background." Many regulatory agencies define "background" as the concentration of a hazardous substance, if any, existing in the environment at the site prior to the release of a hazardous substance. The establishment of "background" as a cleanup standard results in the necessity of determining the concentration of a chemical prior to any releases. This approach is particularly significant when cleanup standards are being developed for naturally occurring metals and trace elements that are present in the soil.

The soil media is of particular concern during site investigations since it is commonly the first media that is impacted by a release of hazardous material. Soils also serve as the pathway to other environmental media, such as air (via dust) or groundwater (via seepage), or surface water (via runoff). As a result, establishing the "background" concentration for metals and trace elements in soils is one of the most critical components of a site investigation.

OBJECTIVE

The Annotated Code of Maryland § 7-501 defines "background level" as the level of a substance occurring naturally at the site prior to any manmade spill or release.

The objective of this study is to evaluate previously collected information on "background" concentrations of metals and trace elements in Maryland and use statistical methods to develop "reference levels" for metals and trace elements in the soil. The information generated from this study has been used by the MDE in developing cleanup standards for metals and trace elements in soil.

PROCESS

For the purpose of this study, the geographic area of the state has been divided into three provinces based upon broad differences in age, chemistry, and structure of the geologic units in each province. These provinces include Eastern Maryland, Central Maryland, and Western Maryland. Figure 1 depicts the boundaries of these provinces.

This study utilized laboratory derived analytical data collected on metals in soil from environmental investigations overseen by the MDE. The soil data used in this study were extracted from Federal Facility, National Priorities List, and CERCLA investigations completed throughout the state of Maryland. These soil samples were identified as "background" grab surface soil samples for the particular site subject to investigation by the MDE. A complete list of sites included in this study and the analytic results are provided in Attachment 1.

All soil samples were collected after 1990. The samples were analyzed using methods approved by the United States Environmental Protection Agency (EPA) and/or other approved methods for various programs within the MDE. Therefore, the data set used in this study is considered to be acceptable for the objectives identified.

STATISTICAL ANALYSIS

Statistical analyses were conducted on data for each analyte included in the investigation. The statistical analyses included the mean, standard deviation, and maximum and minimum values. Since each particular site investigation has specific sampling objectives, not all samples were analyzed for all metals included in this study. Analytes that were not analyzed were not included in the statistical analysis. If an analyte was not detected, then a value equivalent to half the detection limit was used in the statistical analysis unless otherwise noted. The results of the analysis are presented in Attachment 2.

Values defined as the "Anticipated Typical Concentration" represent "reference levels" for each analyte. The Anticipated Typical Concentration (ATC) represents the mean concentration plus one standard deviation. The ATC represents a value that either matches or exceeds the majority of background concentration samples. ATC values were calculated for metals and trace elements in each of the three provinces of the state of Maryland identified in this study.

SUMMARY TABLES

Background soil concentration data collected from environmental investigations overseen by the MDE for each geologic province is summarized in Attachment 1. Information present in Attachment 2 includes a statistical summary of metal species, the ATC, United States Geologic Survey (USGS) concentrations, and the proposed Maryland cleanup standards. The USGS concentrations represent the average concentrations of metals and trace elements in soils and other surficial material in the conterminous United States as reported by the USGS in 1984[1].

The proposed Maryland Cleanup Standards represent concentration levels at which no further remedial response action would be required based upon the potential threat posed by these substances to human health within the constraints of current knowledge. The soil concentration values for residential sites are intended for properties that are zoned for residential use, or have a projected future residential use.

RESULTS

Comparison of the ATC to the Proposed Maryland Cleanup Standards for Residential sites shows that the reference levels for the following elements exceed the Maryland Cleanup Standards:

	Anticipated Typical Concentration (ATC)			Proposed Maryland Cleanup Standards
Analyte	**Eastern Maryland**	**Central Maryland**	**Western Maryland**	**(residential)**
Aluminum	1.1 E+04	1.9 E+04	2.0 E+04	7.8 E+03
Arsenic	3.6 E+00	4.9 E+00	1.1 E+01	4.3 E-01
Chromium (total)	2.8 E+01	3.0 E+01	4.2 E+01	2.3 E+01
Iron	1.5 E+04	2.6 E+04	3.9 E+04	5.5 E+03
Manganese	4.8 E+02	1.4 E+03	1.5 E+03	1.6 E+02
Thallium	3.9 E+00	1.5 E+00	4.6 E+00	5.5 E-01
Vanadium	3.0 E+01	35 E+01	1.2 E+02	7.8 E+00

All values are reported in parts per million.

When an ATC concentration for a given province exceeds the "Proposed Maryland Cleanup Standards (Residential)", the ATC value for the appropriate province may be proposed as an acceptable alternative to the risk derived value presented in the "Proposed Maryland Cleanup Standards (Residential)."

DISCUSSION OF RESULTS

Several of the MDE derived reference levels for metals in soils exceed the proposed Maryland Cleanup Standards under a residential use setting. This result is a consequence of multiple factors and does not necessarily indicate that a hazard is posed to either human health or the environment in areas of the state where the reference levels exceed the proposed Residential Cleanup Standards.

The concentration of metals in soil under natural conditions are a result of both chemical and physical weathering processes on parent rock. The degree to which soils contain naturally occurring metals is dependent on the chemical make-up of the parent rock from which the soil was derived, and the degree of chemical and physical weathering and transport of eroded parent rock material to the soil media. This erosion and deposition relationship results in a high degree of variability with respect to the concentration of metals in soil.

All soil types contain metals. In most cases, the metals in the soil media are not present in their elemental form, but are present as ionic compounds. Ionic compounds are chemical combinations of metals (i.e. cations) and non-metals (i.e. anions) that bond together through a process of electron transfer. Metal compounds can form stable chemical complexes that exhibit markedly different characteristics from their elemental forms, and may pose less of a risk (i.e. lower bioavailability) to human health or the environment.

Metals that are bound up in relatively stable mineral complexes do not readily degrade and are not as readily bioavailable as metals in a pure form. Different valences of metals can produce dramatically different toxicities and different matrices may render them more or less bioavailable. These factors have ramifications for determining the potential health risks associated with metal reference concentrations that exceed soil Cleanup Standards. For example, property specific soil conditions such as moisture content, PH, cation exchange capacity, and total organic carbon content and the use of the land will affect the amount of metal species that are available to pose a health risk.

State and federal environmental regulatory programs routinely require the soil media to be tested by approved analytical laboratories for metal concentrations at properties subject to investigation. The laboratory analytical methods commonly used by regulatory programs do not, however, differentiate between metals that are in a pure form and metals that are bound up in chemical complexes. These analytical methods use acid digestions and other destructive methods to dissolve the soil, parent rock or organic complexes which results in the release of metals in a free state. The outcome of these analytical methods are concentrations that reflect the total amount of the elemental metal in the soil and do not typically consider the percentage of metal bound up in mineral or organic complexes.

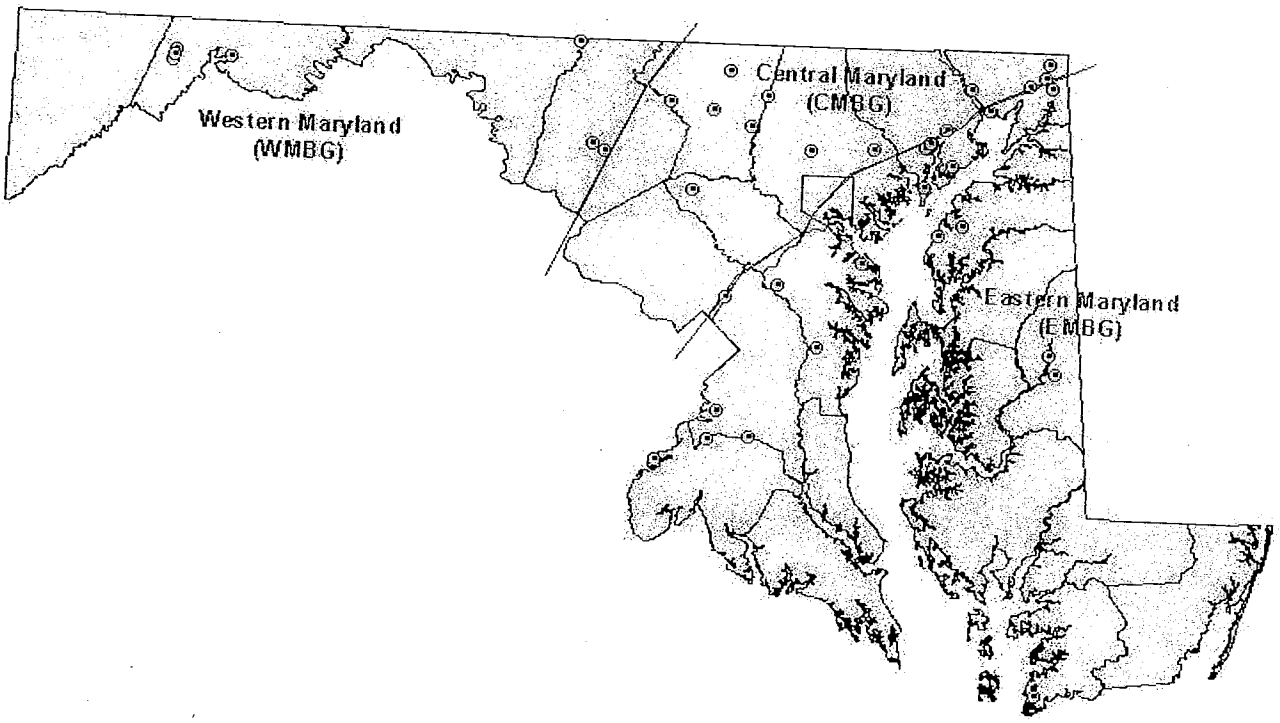
MDE derived reference levels for metals in the soil are intended to represent concentrations that exist in the natural environment absent anthropogenic effects. Comparison of the reference levels to USGS background metal concentrations in native soil for the Conterminous United States indicates a good correlation exists between the data sets. With the exception of Selenium and Antimony, all derived reference concentrations are within one order of magnitude of the USGS average concentrations. In many instances the reference concentrations are lower than the USGS background concentrations. In light of the conservative risk based approach used to derive the cleanup standards for metals (i.e. all metals present in soil are assumed to exist as bioavailable free metals), the option to use reference levels rather than the proposed Maryland Cleanup Standards is not expected to result in unacceptable levels of risk. This may be a viable alternative when analytical data indicates metal concentrations are above the standards.

STUDY LIMITATIONS

This investigation does not constitute a rigorous scientific analysis conducted in a controlled experimental setting. However, ATC reference levels can serve as general indicators of background levels of metals and trace elements in soil until a more rigorous and thorough background investigation can be completed.

REFERENCES

1) Shacklett, H.T. and Boerngenm, J.G., 1984: Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States; USGS Professional Paper 1270.



Appendix 2 – Figure 1

Location of hazardous substance properties used to derive reference levels for metals in Maryland. The State has been divided into three geological provinces for the purposes of developing regional reference levels.

APPENDIX 2 - ATTACHMENT 1

BACKGROUND SOIL METAL DATA FROM

MDE SITE INVESTIGATIONS USED IN THIS STUDY

EASTERN

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium
Aberdeen Proving Ground	EMBG	S-1	3.7E+03	*3.5E+00*	2.8E+00	1.8E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	3.3E+03	*3.5E+00*	2.4E+00	2.1E+01
Aberdeen Proving Ground	EMBG	S-2	5.8E+03	*3.0E+00*	1.7E+00	2.7E+01
Aberdeen Proving Ground	EMBG	S-3	8.4E+03	*3.5E+00*	2.5E+00	6.5E+01
Aberdeen Proving Ground	EMBG	S-4	9.2E+03	*4.9E+00*	2.7E+00	4.7E+01
Aberdeen Proving Ground	EMBG	S-5	1.4E+03	*2.7E+00*	1.3E+00	1.1E+01
Aberdeen Proving Ground	EMBG	S-6	3.2E+03	*2.8E+00*	1.2E+00	1.0E+01
Aberdeen Proving Ground	EMBG	S-6 DUP	3.4E+03	*2.8E+00*	1.0E+00	1.1E+01
Aberdeen Proving Ground	EMBG	S-7	6.9E+03	*2.9E+00*	1.5E+00	5.7E+01
Aberdeen Proving Ground	EMBG	S-8	5.8E+03	*3.3E+00*	2.1E+00	4.2E+01
Aberdeen Proving Ground	EMBG	S-9	8.3E+03	*3.0E+00*	2.7E+00	4.4E+01
Aberdeen Proving Ground	EMBG	S-10	2.7E+03	*3.1E+00*	1.1E+00	1.2E+01
Aberdeen Proving Ground	EMBG	S-11	2.8E+03	*2.9E+00*	1.1E+00	1.7E+01
Aberdeen Proving Ground	EMBG	S-12	1.7E+04	*3.6E+00*	1.5E+00	9.0E+01
Aberdeen Proving Ground	EMBG	S-13	7.7E+03	*3.1E+00*	2.3E+00	5.6E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	1.1E+04	*3.3E+00*	2.1E+00	6.4E+01
Aberdeen Proving Ground	EMBG	S-14	7.7E+03	*3.2E+00*	1.2E+00	9.0E+01
Aberdeen Proving Ground	EMBG	S-15	2.6E+03	*3.0E+00*	*1.2E-01*	9.8E+00
Aberdeen Proving Ground	EMBG	S-16	9.6E+03	*3.1E+00*	3.0E+00	3.6E+01
Aberdeen Proving Ground	EMBG	S-17	4.8E+03	*3.1E+00*	2.1E+00	3.3E+01
Aberdeen Proving Ground	EMBG	S-17 DUP	5.6E+03	*3.0E+00*	2.0E+00	3.5E+01
Aberdeen Proving Ground	EMBG	S-18	5.9E+03	*3.2E+00*	1.3E+00	2.0E+01
Aberdeen Proving Ground	EMBG	S-19	1.6E+04	*3.1E+00*	2.4E+00	7.4E+01
Aberdeen Proving Ground	EMBG	S-20	8.5E+03	*3.1E+00*	2.2E+00	3.4E+01
Aberdeen Proving Ground	EMBG	S-21	9.8E+03	*3.0E+00*	3.7E+00	4.5E+01
Aberdeen Proving Ground	EMBG	S-23	6.1E+03	*3.2E+00*	2.9E+00	5.4E+01
Aberdeen Proving Ground	EMBG	S-24	1.3E+04	*3.2E+00*	3.5E+00	6.3E+01
Aberdeen Proving Ground	EMBG	S-25	1.1E+04	*3.5E+00*	3.2E+00	8.1E+01
Aberdeen Proving Ground	EMBG	S-26	7.3E+03	*3.3E+00*	2.8E+00	6.2E+01
Aberdeen Proving Ground	EMBG	S-27	8.4E+03	*3.0E+00*	3.7E+00	4.4E+01
Aberdeen Proving Ground	EMBG	S-28	9.1E+03	*2.9E+00*	1.5E+00	4.7E+01
Aberdeen Proving Ground	EMBG	S-29	4.6E+03	*3.5E+00*	2.2E+00	1.8E+01
Aberdeen Proving Ground	EMBG	S-30	5.9E+03	*3.3E+00*	3.5E+00	2.4E+01
Indian Head	EMBG	BGDSS0010101	1.1E+04	*5.1E-01*	2.1E+00	5.2E+01
Indian Head	EMBG	BGDSS0020101	2.0E+03	*2.1E-01*	7.8E-01	1.3E+01
Indian Head	EMBG	BGDSS0030101	1.0E+04	*5.1E-01*	3.2E+00	6.7E+01
Indian Head	EMBG	BGDSS0040101	7.5E+03	*7.1E-01*	2.8E+00	4.8E+01
Indian Head	EMBG	BGDSS0050101	7.5E+03	*5.3E-01*	2.5E+00	3.6E+01

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Indian Head	EMBG	BGDSS0060101	2.6E+03	*5.4E-01*	1.7E+00	1.9E+01
Indian Head	EMBG	BGDSS0070101	1.1E+04	*4.2E-01*	2.1E+00	3.7E+01
Indian Head	EMBG	BGDSS0080101	1.3E+04	*4.2E-01*	3.1E+00	4.6E+01
Indian Head	EMBG	BGDSS0090101	6.5E+03	*2.8E-01*	8.5E-01	3.4E+01
Indian Head	EMBG	BGDSS0100101	6.2E+03	*4.8E-01*	2.5E+00	3.1E+01
Indian Head	EMBG	S25-MW03-001	4.0E+03	*1.8E-01*	2.2E+00	3.0E+01
Indian Head	EMBG	S26-MW03-001	1.3E+04	*1.9E-01*	3.3E+00	8.5E+01
Fort Meade	EMBG	SSB-1	7.0E+03	*2.5E+00*	1.0E+00	*2.0E+01*
Fort Meade	EMBG	SSB-2	5.6E+03	*2.5E+00*	2.8E+00	*2.0E+01*
Fort Meade	EMBG	SSB-3	2.5E+03	*2.5E+00*	1.1E+00	*2.0E+01*
Fort Meade	EMBG	SSB-4	1.8E+03	*2.5E+00*	1.2E+00	*2.0E+01*
Fort Meade	EMBG	SSB-4X	1.8E+03	*2.5E+00*	1.3E+00	*2.0E+01*
Fort Meade	EMBG	SSB-5	3.0E+03	*2.5E+00*	1.3E+00	*2.0E+01*
Tolchester	EMBG	MCHT13-S-4	1.1E+04	*4.0E+00*	4.0E+00	7.9E+01
Crisfield City Dump	EMBG	Background Soil	1.1E+04	*6.0E+00*	1.5E+00	3.8E+01
Old Fort Road	EMBG	Background Soil	1.8E+04	*6.0E+00*	2.9E+00	5.0E+01
Nicholson Landfill	EMBG	Background Soil	5.5E+03	NA	2.7E+00	3.0E+01
Union Road	EMBG	Background Soil	8.4E+03	1.7E+00	3.9E+00	7.2E+01
Braxton Property	EMBG	Background Soil	1.6E+04	*6.0E+00*	6.1E+00	5.5E+01
Abingdon Landfill	EMBG	Background Soil	7.3E+03	*4.0E+00*	2.6E+00	3.9E+01
Waldorf Control	EMBG	Background Soil	6.3E+03	*6.0E+00*	4.0E+00	5.2E+01
Vicon	EMBG	Background Soil	5.0E+03	9.6E+00	2.6E+00	2.0E+01
Firestone Perryville	EMBG	Background Soil	4.6E+03	5.2E+00	2.2E+00	3.4E+01
SkipJack Chemicals	EMBG	Background Soil	6.8E+03	6.0E+00	*1.0E+00*	3.2E+01
Old West Denton Landfill	EMBG	Background Soil	2.4E+03	NA	*1.0E+00*	1.7E+01
Fort Smallwood Control	EMBG	Background Soil	1.9E+03	*6.0E+00*	*1.0E+00*	1.0E+01
Fort Smallwood Launch	EMBG	Background Soil	1.9E+03	*6.0E+00*	2.1E+00	1.1E+01
Davidsonville Launch	EMBG	Background Soil	1.1E+04	*1.6E+01*	6.9E+00	1.2E+02
US Naval Research Lab Waldorf	EMBG	SO 54A	2.3E+03	*6.0E+00*	*1.0E+00*	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 54B	3.4E+03	*6.0E+00*	*1.0E+00*	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 55A	7.3E+03	*6.0E+00*	*1.0E+00*	5.8E+01
US Naval Research Lab Waldorf	EMBG	SO 55B	4.5E+03	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 56	6.6E+03	*6.0E+00*	1.8E+00	4.1E+01
US Naval Research Lab Waldorf	EMBG	SO 57	6.4E+03	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	S0 58	1.1E+04	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 59	1.0E+04	*6.0E+00*	4.9E+00	1.7E+02
US Naval Research Lab Waldorf	EMBG	SO 59(D)	1.0E+04	*6.0E+00*	5.2E+00	1.6E+02
US Naval Research Lab Waldorf	EMBG	SO 60	1.1E+04	*6.0E+00*	3.7E+00	7.4E+01

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Beryllium	Cadmium	Calcium	Chromium (Total)	Cobalt
Aberdeen Proving Ground	EMBG	S-1	*3.5E-01*	*3.5E-01*	1.4E+02	6.7E+00	2.6E+00
Aberdeen Proving Ground	EMBG	S-1 DUP	*3.5E-01*	*3.5E-01*	1.9E+02	7.0E+00	2.0E+00
Aberdeen Proving Ground	EMBG	S-2	*3.0E-01*	*3.0E-01*	1.4E+02	6.1E+00	6.4E+00
Aberdeen Proving Ground	EMBG	S-3	*3.5E-01*	*3.5E-01*	1.3E+03	3.5E+01	9.2E+00
Aberdeen Proving Ground	EMBG	S-4	1.4E+00	*4.9E-01*	1.1E+03	1.2E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-5	*2.7E-01*	*2.7E-01*	6.7E+01	3.5E+00	1.2E+00
Aberdeen Proving Ground	EMBG	S-6	*2.8E-01*	*2.8E-01*	7.6E+01	3.6E+00	6.8E-01
Aberdeen Proving Ground	EMBG	S-6 DUP	*2.8E-01*	*2.8E-01*	6.4E+01	4.4E+00	1.2E+00
Aberdeen Proving Ground	EMBG	S-7	6.2E-01	*2.9E-01*	4.8E+02	*1.2E+01*	6.9E+00
Aberdeen Proving Ground	EMBG	S-8	*3.3E-01*	*3.3E-01*	6.9E+02	1.4E+01	9.1E+00
Aberdeen Proving Ground	EMBG	S-9	*3.0E-01*	*3.0E-01*	7.2E+02	1.7E+01	3.9E+00
Aberdeen Proving Ground	EMBG	S-10	*3.1E-01*	*3.1E-01*	7.1E+01	7.5E+00	*6.2E-01*
Aberdeen Proving Ground	EMBG	S-11	*2.9E-01*	*2.9E-01*	1.4E+03	5.3E+00	1.1E+00
Aberdeen Proving Ground	EMBG	S-12	1.1E+00	*3.6E-01*	8.6E+02	2.9E+01	1.5E+01
Aberdeen Proving Ground	EMBG	S-13	*3.0E-01*	*3.0E-01*	1.0E+03	7.1E+01	1.9E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	*3.2E-01*	*3.2E-01*	1.1E+03	6.7E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-14	*3.2E-01*	*3.2E-01*	6.4E+02	9.4E+00	5.2E+00
Aberdeen Proving Ground	EMBG	S-15	*3.0E-01*	*3.0E-01*	8.2E+01	*1.9E+01*	1.8E+00
Aberdeen Proving Ground	EMBG	S-16	*3.0E-01*	*3.0E-01*	9.2E+01	1.8E+01	5.1E+00
Aberdeen Proving Ground	EMBG	S-17	*3.1E-01*	*3.1E-01*	2.2E+03	1.3E+01	3.6E+00
Aberdeen Proving Ground	EMBG	S-17 DUP	*3.0E-01*	*3.0E-01*	1.8E+03	1.3E+01	3.9E+00
Aberdeen Proving Ground	EMBG	S-18	*3.2E-01*	*3.2E-01*	7.2E+01	1.0E+01	1.5E+00
Aberdeen Proving Ground	EMBG	S-19	7.6E-01	*3.1E-01*	7.4E+02	1.8E+01	1.2E+01
Aberdeen Proving Ground	EMBG	S-20	*3.1E-01*	*3.1E-01*	1.3E+02	1.2E+01	3.6E+00
Aberdeen Proving Ground	EMBG	S-21	*3.0E-01*	*3.0E-01*	3.6E+02	1.4E+01	5.3E+00
Aberdeen Proving Ground	EMBG	S-23	9.0E-01	*3.1E-01*	6.2E+02	1.3E+01	1.4E+01
Aberdeen Proving Ground	EMBG	S-24	7.5E-01	*3.1E-01*	1.2E+02	1.6E+01	2.6E+01
Aberdeen Proving Ground	EMBG	S-25	*3.5E-01*	1.4E+00	9.2E+02	1.7E+01	5.0E+00
Aberdeen Proving Ground	EMBG	S-26	*3.2E-01*	*3.2E-01*	1.3E+03	1.5E+01	9.1E+00
Aberdeen Proving Ground	EMBG	S-27	*3.0E-01*	*3.0E-01*	9.8E+02	1.1E+01	6.6E+00
Aberdeen Proving Ground	EMBG	S-28	*2.9E-01*	*2.9E-01*	1.8E+02	2.8E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-29	*3.5E-01*	*3.5E-01*	1.1E+02	8.7E+00	2.0E+00
Aberdeen Proving Ground	EMBG	S-30	*3.3E-01*	*3.3E-01*	1.1E+02	4.3E+01	2.7E+00
Indian Head	EMBG	BGDSS0010101	5.6E-01	*6.5E-02*	1.2E+02	1.3E+01	4.2E+00
Indian Head	EMBG	BGDSS0020101	*5.0E-02*	*5.5E-02*	9.9E+01	3.5E+00	5.8E-01
Indian Head	EMBG	BGDSS0030101	5.3E-01	*6.0E-02*	1.3E+02	1.9E+01	1.5E+01
Indian Head	EMBG	BGDSS0040101	5.3E-01	*6.5E-02*	1.4E+02	1.3E+01	7.9E+00
Indian Head	EMBG	BGDSS0050101	1.7E-01	*7.0E-02*	1.1E+02	1.3E+01	2.3E+00

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Indian Head	EMBG	BGDSS0060101	4.7E-01	2.5E-01	2.8E+02	1.2E+01	3.0E+00
Indian Head	EMBG	BGDSS0070101	3.4E-01	2.2E-01	1.4E+02	1.3E+01	2.5E+00
Indian Head	EMBG	BGDSS0080101	6.0E-01	2.6E-01	1.5E+02	1.6E+01	4.2E+00
Indian Head	EMBG	BGDSS0090101	2.4E-01	1.5E-01	1.5E+02	7.7E+00	2.2E+00
Indian Head	EMBG	BGDSS0100101	1.5E-01	*1.4E-01*	1.2E+02	9.2E+00	2.7E+00
Indian Head	EMBG	S25-MW03-001	2.0E-01	5.4E-01	1.0E+02	1.1E+01	3.5E+00
Indian Head	EMBG	S26-MW03-001	6.1E-01	*2.9E-01*	4.1E+02	2.1E+01	1.5E+01
Fort Meade	EMBG	SSB-1	3.8E-01	*2.5E-01*	8.3E+02	1.4E+01	4.3E+00
Fort Meade	EMBG	SSB-2	6.3E-01	*2.5E-01*	7.7E+02	9.4E+00	4.4E+00
Fort Meade	EMBG	SSB-3	1.1E-01	*2.5E-01*	*5.0E+01*	6.0E+00	*1.0E+00*
Fort Meade	EMBG	SSB-4	1.7E-01	*2.5E-01*	*5.0E+01*	6.4E+00	*1.0E+00*
Fort Meade	EMBG	SSB-4X	1.2E-01	*2.5E-01*	*5.0E+01*	7.0E+00	*1.0E+00*
Fort Meade	EMBG	SSB-5	1.7E-01	*2.5E-01*	*5.0E+01*	1.2E+01	2.7E+00
Tolchester	EMBG	MCHT13-S-4	*5.0E-01*	3.1E-01	9.5E+02	1.4E+01	9.0E+00
Crisfield City Dump	EMBG	Background Soil	2.3E-01	*5.0E-01*	4.3E+03	1.1E+01	1.2E+00
Old Fort Road	EMBG	Background Soil	4.8E-01	*5.0E-01*	7.7E+01	1.8E+01	3.5E+00
Nicholson Landfill	EMBG	Background Soil	7.1E-01	NA	7.7E+02	9.2E+00	3.8E+00
Union Road	EMBG	Background Soil	4.8E-01	*5.0E-01*	1.2E+03	5.7E+01	1.3E+01
Braxton Property	EMBG	Background Soil	5.3E-01	*5.0E-01*	3.5E+02	2.4E+01	1.2E+01
Abingdon Landfill	EMBG	Background Soil	3.9E-01	*1.0E+00*	2.8E+02	8.3E+00	7.0E+00
Waldorf Control	EMBG	Background Soil	NA	*5.0E-01*	1.3E+03	1.4E+01	6.5E+00
Vicon	EMBG	Background Soil	1.8E-01	9.0E-01	9.9E+01	1.7E+01	1.9E+00
Firestone Perryville	EMBG	Background Soil	4.0E-01	*5.0E-01*	9.7E+02	2.0E+01	4.8E+00
SkipJack Chemicals	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	1.3E+03	7.1E+00	*5.0E+00*
Old West Denton Landfill	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	3.8E+02	2.0E+00	*5.0E+00*
Fort Smallwood Control	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	*5.0E+02*	3.4E+00	*5.0E+00*
Fort Smallwood Launch	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	1.1E+02	3.9E+00	*5.0E+00*
Davidsonville Launch	EMBG	Background Soil	9.2E-01	1.0E+00	1.8E+03	2.6E+01	3.5E+00
US Naval Research Lab Waldorf	EMBG	SO 54A	*5.0E-01*	*5.0E-01*	*5.0E+02*	4.0E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 54B	*5.0E-01*	*5.0E-01*	*5.0E+02*	7.4E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 55A	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.1E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 55B	*5.0E-01*	*5.0E-01*	*5.0E+02*	6.3E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 56	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.1E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 57	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.8E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	S0 58	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.9E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 59	1.0E+00	1.9E+00	1.4E+03	1.7E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 59(D)	*5.0E-01*	1.3E+00	1.4E+03	1.7E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 60	*5.0E-01*	1.3E+00	*5.0E+02*	2.5E+01	*5.0E+00*

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

EASTERN

Site Name	Province	Designation	Copper	Iron	Lead	Magnesium	Manganese
Aberdeen Proving Ground	EMBG	S-1	8.4E+00	5.1E+03	5.0E+01	2.0E+02	5.9E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	8.6E+00	4.7E+03	5.0E+01	2.1E+02	5.0E+01
Aberdeen Proving Ground	EMBG	S-2	5.1E+00	5.4E+03	1.0E+01	3.6E+02	1.9E+02
Aberdeen Proving Ground	EMBG	S-3	2.8E+01	1.8E+04	1.2E+02	2.1E+03	3.0E+02
Aberdeen Proving Ground	EMBG	S-4	1.3E+01	8.9E+03	3.0E+01	1.5E+03	1.8E+02
Aberdeen Proving Ground	EMBG	S-5	4.8E+00	2.6E+03	1.4E+01	9.5E+01	6.9E+00
Aberdeen Proving Ground	EMBG	S-6	3.3E+00	3.6E+03	8.0E+00	2.0E+02	1.2E+01
Aberdeen Proving Ground	EMBG	S-6 DUP	3.4E+00	3.6E+03	9.8E+00	2.2E+02	9.2E+00
Aberdeen Proving Ground	EMBG	S-7	5.9E+00	1.0E+04	1.1E+01	1.1E+03	4.0E+02
Aberdeen Proving Ground	EMBG	S-8	1.4E+01	1.2E+04	3.0E+01	7.1E+02	2.6E+02
Aberdeen Proving Ground	EMBG	S-9	7.7E+00	1.5E+04	1.3E+01	1.2E+03	1.1E+02
Aberdeen Proving Ground	EMBG	S-10	3.7E+00	4.2E+03	8.6E+00	1.3E+02	8.4E+00
Aberdeen Proving Ground	EMBG	S-11	4.0E+00	4.5E+03	1.1E+01	2.0E+02	4.0E+01
Aberdeen Proving Ground	EMBG	S-12	2.3E+01	2.4E+04	2.1E+01	3.9E+03	1.0E+03
Aberdeen Proving Ground	EMBG	S-13	1.3E+01	1.6E+04	3.0E+01	1.4E+03	6.5E+02
Aberdeen Proving Ground	EMBG	S-13 DUP	1.4E+01	1.7E+04	2.7E+01	1.7E+03	5.3E+02
Aberdeen Proving Ground	EMBG	S-14	5.6E+00	8.6E+03	1.6E+01	8.8E+02	2.7E+02
Aberdeen Proving Ground	EMBG	S-15	4.6E+00	3.2E+03	5.5E+00	6.3E+01	5.0E+00
Aberdeen Proving Ground	EMBG	S-16	5.7E+00	1.5E+04	2.2E+01	6.9E+02	1.5E+02
Aberdeen Proving Ground	EMBG	S-17	9.3E+00	9.3E+03	3.0E+01	8.1E+02	1.7E+02
Aberdeen Proving Ground	EMBG	S-17 DUP	8.7E+00	9.4E+03	2.7E+01	8.7E+02	1.5E+02
Aberdeen Proving Ground	EMBG	S-18	3.0E+00	7.6E+03	1.2E+01	3.6E+02	2.1E+01
Aberdeen Proving Ground	EMBG	S-19	1.6E+01	1.9E+04	1.6E+01	3.1E+03	5.6E+02
Aberdeen Proving Ground	EMBG	S-20	5.0E+00	1.2E+04	1.6E+01	1.0E+03	7.2E+01
Aberdeen Proving Ground	EMBG	S-21	7.5E+00	1.4E+04	2.2E+01	9.8E+02	2.9E+02
Aberdeen Proving Ground	EMBG	S-23	8.0E+00	9.8E+03	2.0E+01	4.7E+02	1.1E+03
Aberdeen Proving Ground	EMBG	S-24	6.7E+00	1.7E+04	3.4E+01	1.1E+03	1.1E+03
Aberdeen Proving Ground	EMBG	S-25	1.3E+01	2.0E+04	5.7E+01	1.4E+03	4.4E+02
Aberdeen Proving Ground	EMBG	S-26	1.5E+01	1.5E+04	2.1E+01	1.2E+03	4.5E+02
Aberdeen Proving Ground	EMBG	S-27	6.2E+00	1.4E+04	2.0E+01	1.3E+03	2.2E+02
Aberdeen Proving Ground	EMBG	S-28	1.2E+01	1.9E+04	1.7E+01	5.7E+02	7.1E+02
Aberdeen Proving Ground	EMBG	S-29	9.3E+00	8.9E+03	2.8E+01	3.4E+02	3.7E+01
Aberdeen Proving Ground	EMBG	S-30	3.6E+00	1.8E+04	1.2E+01	3.7E+02	5.2E+01
Indian Head	EMBG	BGDSS0010101	4.6E+00	9.4E+03	7.4E+00	7.1E+02	2.5E+02
Indian Head	EMBG	BGDSS0020101	1.8E+00	2.8E+03	9.0E+00	1.4E+02	2.5E+01
Indian Head	EMBG	BGDSS0030101	5.4E+00	1.5E+04	1.0E+01	7.5E+02	3.8E+02
Indian Head	EMBG	BGDSS0040101	5.4E+00	1.2E+04	9.4E+00	5.7E+02	1.8E+02
Indian Head	EMBG	BGDSS0050101	4.6E+00	9.6E+03	1.5E+01	4.8E+02	6.3E+01

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Indian Head	EMBG	BGDSS0060101	2.1E+00	7.3E+03	6.7E+00	3.5E+02	1.1E+02
Indian Head	EMBG	BGDSS0070101	5.3E+00	1.0E+04	9.8E+00	6.7E+02	4.7E+01
Indian Head	EMBG	BGDSS0080101	1.7E+01	1.3E+04	1.5E+02	1.1E+03	8.1E+01
Indian Head	EMBG	BGDSS0090101	3.1E+00	4.4E+03	5.5E+00	4.5E+02	2.3E+01
Indian Head	EMBG	BGDSS0100101	3.3E+00	6.5E+03	7.8E+00	4.0E+02	2.0E+02
Indian Head	EMBG	S25-MW03-001	2.5E+00	7.9E+03	1.0E+01	2.4E+02	1.2E+02
Indian Head	EMBG	S26-MW03-001	4.4E+00	2.5E+04	9.9E+00	1.1E+03	8.8E+02
Fort Meade	EMBG	SSB-1	8.2E+00	1.2E+04	1.4E+01	1.2E+03	1.2E+02
Fort Meade	EMBG	SSB-2	4.6E+00	7.7E+03	1.6E+01	8.4E+02	1.5E+02
Fort Meade	EMBG	SSB-3	3.2E+00	5.1E+03	*3.8E+00*	2.1E+02	2.0E+01
Fort Meade	EMBG	SSB-4	4.6E+00	7.7E+03	9.8E+00	1.1E+02	2.5E+01
Fort Meade	EMBG	SSB-4X	4.2E+00	8.9E+03	1.1E+01	1.2E+02	2.5E+01
Fort Meade	EMBG	SSB-5	6.6E+00	1.2E+04	1.6E+01	3.1E+02	3.0E+01
Tolchester	EMBG	MCHT13-S-4	9.3E+00	1.1E+04	3.8E+01	1.5E+03	2.3E+02
Crisfield City Dump	EMBG	Background Soil	4.8E+00	5.5E+03	*1.6E+01*	9.1E+02	2.8E+01
Old Fort Road	EMBG	Background Soil	5.3E+00	1.5E+04	9.4E+00	1.1E+03	4.9E+01
Nicholson Landfill	EMBG	Background Soil	8.7E+00	1.1E+04	9.2E+00	8.5E+02	1.2E+02
Union Road	EMBG	Background Soil	1.5E+01	1.4E+04	4.2E+01	1.7E+03	9.0E+02
Braxton Property	EMBG	Background Soil	1.1E+01	2.3E+03	1.3E+01	2.6E+03	2.3E+02
Abingdon Landfill	EMBG	Background Soil	6.7E+00	8.4E+03	6.7E+01	7.1E+02	3.5E+02
Waldorf Control	EMBG	Background Soil	1.0E+01	7.9E+03	4.4E+01	8.3E+02	1.2E+02
Vicon	EMBG	Background Soil	1.5E+01	1.2E+04	9.9E+00	3.4E+02	5.1E+01
Firestone Perryville	EMBG	Background Soil	1.2E+01	9.8E+03	2.2E+01	7.4E+02	2.7E+02
SkipJack Chemicals	EMBG	Background Soil	*2.5E+00*	5.3E+03	6.0E+01	5.0E+02	1.8E+02
Old West Denton Landfill	EMBG	Background Soil	5.0E+00	1.0E+03	2.3E+01	1.2E+02	4.3E+01
Fort Smallwood Control	EMBG	Background Soil	1.1E+01	2.1E+03	4.1E+00	*5.0E+02*	1.9E+01
Fort Smallwood Launch	EMBG	Background Soil	6.1E+00	3.0E+03	2.0E+01	9.5E+01	2.0E+01
Davidsonville Launch	EMBG	Background Soil	1.3E+01	1.3E+04	3.5E+01	1.7E+03	1.0E+02
US Naval Research Lab Waldorf	EMBG	SO 54A	*2.5E+00*	3.7E+03	7.3E+00	*5.0E+02*	1.4E+02
US Naval Research Lab Waldorf	EMBG	SO 54B	*2.5E+00*	5.4E+03	4.0E+00	*5.0E+02*	1.0E+01
US Naval Research Lab Waldorf	EMBG	SO 55A	*2.5E+00*	1.2E+04	1.7E+01	*5.0E+02*	3.0E+02
US Naval Research Lab Waldorf	EMBG	SO 55B	*2.5E+00*	8.3E+03	5.0E+00	*5.0E+02*	1.1E+02
US Naval Research Lab Waldorf	EMBG	SO 56	*2.5E+00*	5.8E+03	3.0E+01	*5.0E+02*	1.3E+01
US Naval Research Lab Waldorf	EMBG	SO 57	*2.5E+00*	7.6E+03	7.8E+00	*5.0E+02*	1.0E+02
US Naval Research Lab Waldorf	EMBG	S0 58	*2.5E+00*	1.4E+04	7.7E+00	*5.0E+02*	8.0E+01
US Naval Research Lab Waldorf	EMBG	SO 59	6.3E+00	1.5E+04	3.1E+01	*5.0E+02*	1.9E+02
US Naval Research Lab Waldorf	EMBG	SO 59(D)	6.7E+00	1.4E+04	3.3E+01	*5.0E+02*	1.7E+02
US Naval Research Lab Waldorf	EMBG	SO 60	5.0E+00	1.4E+04	1.7E+01	1.1E+03	2.5E+02

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Mercury	Nickel	Potassium	Selenium	Silver
Aberdeen Proving Ground	EMBG	S-1	NA	4.3E+00	1.6E+02	4.6E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-1 DUP	NA	4.8E+00	1.8E+02	4.8E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-2	*6.2E-02*	6.1E+00	1.8E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-3	*3.5E-02*	1.7E+01	3.2E+02	4.4E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-4	NA	2.0E+01	5.4E+02	*3.0E+00*	*4.9E-01*
Aberdeen Proving Ground	EMBG	S-5	*5.0E-02*	2.6E+00	7.1E+01	*1.3E-01*	*2.7E-01*
Aberdeen Proving Ground	EMBG	S-6	*5.5E-02*	1.4E+00	1.0E+02	*1.4E-01*	*2.8E-01*
Aberdeen Proving Ground	EMBG	S-6 DUP	*4.6E-02*	2.6E+00	1.6E+02	*1.4E-01*	*2.8E-01*
Aberdeen Proving Ground	EMBG	S-7	*5.8E-02*	8.0E+00	3.5E+02	*1.5E-01*	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-8	7.0E-02	1.0E+01	2.4E+02	*1.7E-01*	*3.3E-01*
Aberdeen Proving Ground	EMBG	S-9	*5.9E-02*	6.4E+00	3.4E+02	*1.5E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-10	*6.1E-02*	*9.3E-01*	1.2E+02	*1.5E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-11	*2.9E-02*	*8.6E-01*	9.6E+01	*1.4E-01*	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-12	*3.3E-02*	2.1E+01	1.7E+03	*1.8E-01*	*3.6E-01*
Aberdeen Proving Ground	EMBG	S-13	*6.0E-02*	2.4E+01	3.7E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-13 DUP	*6.2E-02*	2.4E+01	4.2E+02	*1.6E-01*	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-14	*3.2E-02*	6.2E+00	2.2E+02	NA	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-15	*3.1E-02*	*9.1E-01*	*3.6E+01*	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-16	*3.1E-02*	4.5E+00	1.8E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-17	*6.3E-02*	6.7E+00	3.1E+02	*1.6E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-17 DUP	*6.2E-02*	6.8E+00	2.8E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-18	*6.7E-02*	2.7E+00	1.8E+02	*1.6E-01*	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-19	*6.1E-02*	1.4E+01	1.5E+03	*1.6E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-20	*3.1E-02*	6.4E+00	2.1E+02	NA	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-21	*3.0E-01*	6.9E+00	3.8E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-23	*3.1E-02*	9.0E+00	2.2E+02	NA	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-24	*3.3E-02*	7.8E+00	2.5E+02	5.0E-01	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-25	*6.9E-02*	1.1E+01	5.6E+02	*1.7E-01*	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-26	*3.2E-02*	9.0E+00	4.6E+02	NA	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-27	*3.1E-02*	8.0E+00	3.4E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-28	*3.1E-02*	1.5E+01	1.8E+02	NA	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-29	*7.0E-02*	3.2E+00	2.3E+02	*1.8E-01*	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-30	*6.7E-02*	4.5E+00	3.1E+02	*1.7E-01*	*3.3E-01*
Indian Head	EMBG	BGDSS0010101	4.0E-02	5.8E+00	4.7E+02	3.0E-01	*3.5E-02*
Indian Head	EMBG	BGDSS0020101	3.0E-02	1.7E+00	1.3E+02	*1.1E-01*	6.0E-02
Indian Head	EMBG	BGDSS0030101	3.0E-02	7.8E+00	5.2E+02	7.0E-01	*3.0E-02*
Indian Head	EMBG	BGDSS0040101	3.0E-02	5.5E+00	3.1E+02	8.3E-01	*3.5E-02*
Indian Head	EMBG	BGDSS0050101	4.0E-02	3.2E+00	2.5E+02	5.1E-01	7.0E-02

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Indian Head	EMBG	BGDSS0060101	3.0E-02	2.5E+00	7.5E+02	5.4E-01	1.0E-01
Indian Head	EMBG	BGDSS0070101	5.0E-02	4.9E+00	5.1E+02	5.3E-01	3.5E-02
Indian Head	EMBG	BGDSS0080101	5.0E-02	8.6E+00	7.9E+02	7.9E-01	3.5E-02
Indian Head	EMBG	BGDSS0090101	3.0E-02	4.5E+00	4.5E+02	4.6E-01	1.0E-01
Indian Head	EMBG	BGDSS0100101	2.0E-02	3.4E+00	3.0E+02	5.3E-01	7.5E-02
Indian Head	EMBG	S25-MW03-001	8.0E-02	2.3E+00	2.2E+02	1.7E-01	5.5E-02
Indian Head	EMBG	S26-MW03-001	7.0E-02	1.1E+01	7.8E+02	8.5E-02	5.5E-02
Fort Meade	EMBG	SSB-1	5.0E-02	9.4E+00	5.0E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-2	5.0E-02	6.3E+00	3.5E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-3	5.0E-02	4.0E+00	1.3E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-4	5.0E-02	3.9E+00	1.2E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-4X	5.0E-02	4.4E+00	5.0E+01	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-5	5.0E-02	7.9E+00	2.1E+02	5.0E+00	2.5E-01
Tolchester	EMBG	MCHT13-S-4	1.4E-01	1.2E+01	4.9E+02	6.2E-01	1.0E+00
Crisfield City Dump	EMBG	Background Soil	5.0E-02	5.7E+00	6.2E+02	2.3E-01	1.0E+00
Old Fort Road	EMBG	Background Soil	5.0E-02	5.7E+00	7.7E+02	2.3E-01	1.0E+00
Nicholson Landfill	EMBG	Background Soil	3.5E+00	3.6E+00	4.4E+02	2.1E-01	1.0E+00
Union Road	EMBG	Background Soil	5.0E-02	2.8E+01	3.3E+02	5.0E-01	1.0E+00
Braxton Property	EMBG	Background Soil	5.0E-02	1.3E+01	5.8E+02	5.0E-01	1.0E+00
Abingdon Landfill	EMBG	Background Soil	1.0E-01	5.8E+00	2.6E+02	NA	1.5E+00
Waldorf Control	EMBG	Background Soil	5.0E-02	5.6E+00	6.1E+02	5.0E-01	1.0E+00
Vicon	EMBG	Background Soil	1.2E-01	3.0E+00	1.5E+02	3.5E-01	9.0E-01
Firestone Perryville	EMBG	Background Soil	5.0E-02	1.0E+01	2.9E+02	5.0E-01	1.0E+00
SkipJack Chemicals	EMBG	Background Soil	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
Old West Denton Landfill	EMBG	Background Soil	5.0E-02	4.0E+00	9.1E+01	5.0E-01	1.0E+00
Fort Smallwood Control	EMBG	Background Soil	1.0E-01	4.0E+00	5.0E+02	5.0E-01	2.7E-01
Fort Smallwood Launch	EMBG	Background Soil	1.0E-01	4.0E+00	5.0E+02	5.0E-01	2.6E-01
Davidsonville Launch	EMBG	Background Soil	1.0E-01	7.3E+00	1.1E+03	2.0E+00	NA
US Naval Research Lab Waldorf	EMBG	SO 54A	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 54B	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 55A	5.0E-02	4.0E+00	5.0E+02	5.0E-01	2.7E+00
US Naval Research Lab Waldorf	EMBG	SO 55B	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 56	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 57	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	S0 58	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 59	5.0E-02	8.3E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 59(D)	5.0E-02	9.1E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 60	5.0E-02	7.5E+00	1.4E+03	5.0E-01	1.0E+00

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Sodium	Thallium	Vanadium	Zinc
Aberdeen Proving Ground	EMBG	S-1	4.4E+02	*1.8E-01*	1.8E+01	1.4E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	4.4E+02	*1.8E-01*	2.0E+01	1.8E+01
Aberdeen Proving Ground	EMBG	S-2	3.8E+02	*1.6E-01*	1.1E+01	1.7E+01
Aberdeen Proving Ground	EMBG	S-3	6.6E+02	*1.7E-01*	4.7E+01	9.6E+01
Aberdeen Proving Ground	EMBG	S-4	9.4E+02	*2.4E-01*	2.0E+01	7.4E+01
Aberdeen Proving Ground	EMBG	S-5	2.3E+02	*1.3E-01*	1.3E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-6	2.0E+02	*1.4E-01*	7.9E+00	6.6E+00
Aberdeen Proving Ground	EMBG	S-6 DUP	2.1E+02	*1.4E-01*	9.7E+00	7.5E+00
Aberdeen Proving Ground	EMBG	S-7	3.8E+02	*1.5E-01*	1.8E+01	2.6E+01
Aberdeen Proving Ground	EMBG	S-8	4.5E+02	*1.7E-01*	2.3E+01	4.1E+01
Aberdeen Proving Ground	EMBG	S-9	4.2E+02	*1.5E-01*	2.7E+01	3.4E+01
Aberdeen Proving Ground	EMBG	S-10	4.9E+02	*1.5E-01*	1.6E+01	4.9E+00
Aberdeen Proving Ground	EMBG	S-11	3.4E+02	*1.4E-01*	1.2E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-12	5.5E+02	*1.8E-01*	4.1E+01	6.1E+01
Aberdeen Proving Ground	EMBG	S-13	4.0E+02	*1.6E-01*	2.9E+01	4.0E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	4.4E+02	*1.6E-01*	3.2E+01	4.6E+01
Aberdeen Proving Ground	EMBG	S-14	4.8E+02	*1.6E-01*	1.6E+01	2.9E+01
Aberdeen Proving Ground	EMBG	S-15	4.7E+02	*1.6E-01*	2.2E+01	2.1E+01
Aberdeen Proving Ground	EMBG	S-16	4.3E+02	*1.5E-01*	2.9E+01	2.1E+01
Aberdeen Proving Ground	EMBG	S-17	4.5E+02	*1.6E-01*	1.7E+01	3.5E+01
Aberdeen Proving Ground	EMBG	S-17 DUP	3.4E+02	*1.6E-01*	1.8E+01	3.7E+01
Aberdeen Proving Ground	EMBG	S-18	4.4E+02	*1.6E-01*	1.6E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-19	4.0E+02	*1.6E-01*	3.2E+01	5.0E+01
Aberdeen Proving Ground	EMBG	S-20	4.4E+02	*1.5E-01*	2.0E+01	2.0E+01
Aberdeen Proving Ground	EMBG	S-21	4.3E+02	*1.5E-01*	2.3E+01	2.8E+01
Aberdeen Proving Ground	EMBG	S-23	4.6E+02	*1.6E-01*	1.9E+01	2.9E+01
Aberdeen Proving Ground	EMBG	S-24	3.8E+02	*1.7E-01*	2.6E+01	2.8E+01
Aberdeen Proving Ground	EMBG	S-25	4.7E+02	*1.7E-01*	2.9E+01	3.2E+01
Aberdeen Proving Ground	EMBG	S-26	4.6E+02	*1.6E-01*	2.7E+01	2.4E+02
Aberdeen Proving Ground	EMBG	S-27	4.9E+02	*1.5E-01*	3.1E+01	4.7E+01
Aberdeen Proving Ground	EMBG	S-28	4.3E+02	*1.5E-01*	1.8E+01	3.0E+01
Aberdeen Proving Ground	EMBG	S-29	4.4E+02	*1.8E-01*	5.9E+01	2.7E+01
Aberdeen Proving Ground	EMBG	S-30	5.0E+02	*1.7E-01*	1.6E+01	1.5E+01
Indian Head	EMBG	BGDSS0010101	*1.2E+01*	*1.3E-01*	2.2E+01	2.2E+01
Indian Head	EMBG	BGDSS0020101	2.2E+01	*1.1E-01*	1.3E+01	6.2E+00
Indian Head	EMBG	BGDSS0030101	4.1E+01	3.8E-01	2.8E+01	2.6E+01
Indian Head	EMBG	BGDSS0040101	5.1E+01	5.2E-01	2.3E+01	2.2E+01
Indian Head	EMBG	BGDSS0050101	2.6E+01	5.2E-01	1.9E+01	1.6E+01

EASTERN

Indian Head	EMBG	BGDSS0060101	3.9E+01	*1.3E-01*	1.2E+01	2.3E+01
Indian Head	EMBG	BGDSS0070101	5.2E+01	*1.3E-01*	2.4E+01	2.0E+01
Indian Head	EMBG	BGDSS0080101	5.0E+01	2.6E-01	2.9E+01	2.8E+01
Indian Head	EMBG	BGDSS0090101	5.2E+01	*1.4E-01*	1.2E+01	1.5E+01
Indian Head	EMBG	BGDSS0100101	5.3E+01	*2.7E-01*	1.3E+01	1.1E+01
Indian Head	EMBG	S25-MW03-001	*9.6E+00*	*1.4E-01*	9.8E+00	1.1E+01
Indian Head	EMBG	S26-MW03-001	*1.0E+01*	*1.4E-01*	3.9E+01	3.1E+01
Fort Meade	EMBG	SSB-1	3.5E+02	*1.0E+01*	2.4E+01	2.3E+01
Fort Meade	EMBG	SSB-2	3.7E+02	*1.0E+01*	1.6E+01	2.2E+01
Fort Meade	EMBG	SSB-3	4.0E+02	*1.0E+01*	1.1E+01	7.4E+00
Fort Meade	EMBG	SSB-4	3.3E+02	*1.0E+01*	1.4E+01	1.2E+01
Fort Meade	EMBG	SSB-4X	3.3E+02	*1.0E+01*	1.6E+01	1.3E+01
Fort Meade	EMBG	SSB-5	3.3E+02	*1.0E+01*	2.0E+01	1.7E+01
Tolchester	EMBG	MCHT13-S-4	5.7E+01	NA	2.2E+01	5.5E+01
Crisfield City Dump	EMBG	Background Soil	5.5E+02	*3.4E-01*	1.6E+01	1.9E+01
Old Fort Road	EMBG	Background Soil	3.8E+01	*1.0E+00*	3.1E+01	2.3E+01
Nicholson Landfill	EMBG	Background Soil	1.9E+01	NA	1.4E+01	NA
Union Road	EMBG	Background Soil	1.0E+02	*1.0E+00*	2.6E+01	6.6E+01
Braxton Property	EMBG	Background Soil	7.7E+01	*1.0E+00*	3.8E+01	3.6E+01
Abingdon Landfill	EMBG	Background Soil	7.8E+01	2.5E-01	4.3E+01	9.0E+00
Waldorf Control	EMBG	Background Soil	2.3E+01	*1.0E+00*	1.6E+01	1.0E+02
Vicon	EMBG	Background Soil	2.9E+01	3.5E-01	2.0E+01	2.4E+01
Firestone Perryville	EMBG	Background Soil	3.5E+01	*1.0E+00*	1.4E+01	4.3E+01
SkipJack Chemicals	EMBG	Background Soil	8.5E+01	*1.0E+00*	1.1E+01	3.4E+01
Old West Denton Landfill	EMBG	Background Soil	*5.0E+02*	*1.0E+00*	2.5E+00	5.5E+01
Fort Smallwood Control	EMBG	Background Soil	*5.0E+01*	*1.0E+00*	6.1E+00	2.2E+01
Fort Smallwood Launch	EMBG	Background Soil	1.6E+01	*1.0E+00*	9.1E+00	4.4E+01
Davidsonville Launch	EMBG	Background Soil	7.0E+01	1.0E+00	2.3E+01	6.6E+01
US Naval Research Lab Waldorf	EMBG	SO 54A	*5.0E+02*	*1.0E+00*	*5.0E+00*	1.5E+01
US Naval Research Lab Waldorf	EMBG	SO 54B	*5.0E+02*	*1.0E+00*	1.1E+01	7.0E+00
US Naval Research Lab Waldorf	EMBG	SO 55A	*5.0E+02*	*1.0E+00*	1.9E+01	2.8E+01
US Naval Research Lab Waldorf	EMBG	SO 55B	*5.0E+02*	*1.0E+00*	1.5E+01	1.1E+01
US Naval Research Lab Waldorf	EMBG	SO 56	*5.0E+02*	*1.0E+00*	1.3E+01	1.2E+01
US Naval Research Lab Waldorf	EMBG	SO 57	*5.0E+02*	*1.0E+00*	1.2E+01	2.1E+01
US Naval Research Lab Waldorf	EMBG	S0 58	*5.0E+02*	*1.0E+00*	2.5E+01	1.8E+01
US Naval Research Lab Waldorf	EMBG	SO 59	*5.0E+02*	*1.0E+00*	2.2E+01	4.1E+01
US Naval Research Lab Waldorf	EMBG	SO 59(D)	*5.0E+02*	*1.0E+00*	2.3E+01	4.2E+01
US Naval Research Lab Waldorf	EMBG	SO 60	*5.0E+02*	*1.0E+00*	2.3E+01	5.2E+01

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CENTRAL

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	6.9E+03	*6.0E+00*	2.2E+00	4.5E+01	4.2E-01	*5.0E-01*
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	9.3E+03	7.3E-01	3.1E+00	5.6E+01	5.8E-01	*5.0E-01*
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	9.8E+03	*6.0E+00*	3.1E+00	4.2E+01	5.4E-01	*5.0E-01*
Bush Valley Landfill	CMBG	BG-04 (0 - 0.5 feet)	9.0E+03	NA	3.4E+00	4.3E+01	3.9E-01	*5.0E-01*
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	9.7E+03	NA	*1.6E+00*	3.8E+01	*1.3E-01*	*1.2E+00*
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	9.5E+03	NA	*7.5E-01*	6.2E+01	2.9E-01	*1.3E+00*
Mullinex Farms	CMBG	SUS3 (8/92, 0-6")	1.1E+04	NA	*8.0E-01*	6.4E+01	4.3E-01	*1.3E+00*
MullinexFarms	CMBG	Background Soil	1.3E+04	*8.5E+00*	1.5E+00	8.5E+01	5.1E+00	*1.0E+00*
Hopkins Quarry	CMBG	Background Soil	1.0E+04	*8.5E+00*	4.3E+00	1.1E+02	7.0E-01	*1.0E+00*
Childs Property	CMBG	Background Soil	1.7E+04	*5.0E-01*	2.8E+00	8.2E+01	9.0E-01	*2.5E-01*
Big Elk Chapel Road	CMBG	Background Soil	1.1E+04	*6.0E+00*	5.3E+00	6.7E+01	6.4E-01	*5.0E-01*
Power Matic	CMBG	Background Soil	2.2E+04	*2.1E+00*	3.4E+00	7.3E+01	7.2E-01	*4.7E-01*
LeHigh Portland Cement	CMBG	Background Soil	1.4E+04	1.1E+01	*1.0E+00*	7.0E+01	8.7E-01	1.8E+00
Langs Junkyard	CMBG	Background Soil	1.6E+04	*6.0E+00*	5.3E+00	2.0E+02	9.4E-01	*5.0E-01*
Kate Wagner Landfill	CMBG	Background Soil	9.7E+03	NA	3.8E+00	8.0E+01	8.1E-01	*1.0E+00*
Bachmans Valley Landfill	CMBG	Background Soil	1.5E+04	*6.0E+00*	3.8E+00	7.1E+01	6.7E-01	*5.0E-01*
Maryvale Prep School	CMBG	Background Soil	1.2E+04	*6.0E+00*	6.5E+00	4.3E+01	3.7E-01	1.6E+00
Fork Control	CMBG	Background Soil	1.2E+03	NA	2.9E+00	1.0E+02	8.1E-01	*1.3E-01*
White Oak	CMBG	BG 04 SS	3.7E+04	9.2E-01	2.5E+00	9.0E+01	2.1E+00	*5.0E-01*
White Oak	CMBG	BG 05 SS	8.5E+03	5.7E-01	3.1E+00	4.2E+01	6.0E-02	*3.5E-02*
White Oak	CMBG	BG 06 SS	1.0E+04	5.6E-01	4.2E+00	5.3E+01	1.9E-01	*3.0E-02*
White Oak	CMBG	BG 101 SS	7.6E+03	5.6E-01	2.2E+00	4.9E+01	2.0E-02	1.2E-01
White Oak	CMBG	BG 07 SS	6.5E+03	5.6E-01	2.1E+00	4.3E+01	2.0E-02	1.1E-01
White Oak	CMBG	BG 10 SS	9.5E+03	5.5E-01	4.2E+00	4.1E+01	1.6E-01	*3.0E-02*
White Oak	CMBG	BG 09 SS	1.2E+04	5.8E-01	4.6E+00	7.7E+01	5.0E-02	8.0E-02
White Oak	CMBG	BG 100 SS	1.7E+04	6.6E-01	5.2E+00	4.3E+01	*1.0E-02*	3.6E-01
White Oak	CMBG	BG 102 SS	2.1E+04	6.4E-01	6.7E+00	4.9E+01	2.0E-02	5.9E-01
			5.2E+03	6.6E-01	2.5E+00	2.0E+01	*1.0E-02*	1.5E-01

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CENTRAL

Site Name	Province	Designation	Calcium	Chromium(Total)	Cobalt	Copper	Iron	Lead
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	3.9E+02	2.0E+01	8.2E+00	5.6E+00	1.2E+04	1.2E+01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	3.4E+02	2.1E+01	9.0E+00	5.9E+00	1.3E+04	1.8E+01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	1.3E+02	2.8E+01	6.7E+00	1.3E+01	2.1E+04	1.6E+01
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	*5.0E+02*	1.3E+01	3.3E+00	7.0E+00	9.1E+03	3.3E+01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	1.6E+03	1.9E+01	3.6E+00	1.1E+01	1.6E+04	2.9E+01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	1.4E+03	2.0E+01	1.0E+01	1.8E+01	1.8E+04	1.1E+01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	1.4E+03	2.1E+01	8.9E+00	1.9E+01	2.0E+04	1.3E+01
Mullinex Farms	CMBG	Background Soil	8.1E+02	3.2E+01	5.7E+01	3.4E+01	2.5E+04	1.4E+01
MullinexFarms	CMBG	Background Soil	3.3E+03	7.1E+00	7.7E+01	1.6E+01	1.9E+04	4.1E+01
Hopkins Quarry	CMBG	Background Soil	1.4E+03	6.0E+00	6.1E+00	1.6E+01	2.1E+04	3.2E+01
Childs Property	CMBG	Background Soil	3.5E+03	1.9E+01	4.6E+00	1.2E+01	1.6E+04	5.3E+01
Big Elk Chapel Road	CMBG	Background Soil	8.0E+02	1.3E+01	6.1E+00	3.5E+01	1.7E+04	7.4E+00
Power Matic	CMBG	Background Soil	3.7E+04	3.4E+01	1.8E+01	4.4E+01	2.6E+04	1.8E+02
LeHigh Portland Cement	CMBG	Background Soil	3.0E+04	2.0E+01	1.3E+01	2.9E+01	2.5E+04	3.4E+01
Langs Junkyard	CMBG	Background Soil	1.6E+03	1.2E+01	1.1E+01	9.1E+00	1.7E+04	3.8E+01
Kate Wagner Landfill	CMBG	Background Soil	2.5E+03	2.2E+01	4.1E+01	2.8E+01	3.7E+04	3.4E+00
Bachmans Valley Landfill	CMBG	Background Soil	7.9E+02	1.8E+01	1.6E+01	2.5E+01	2.9E+04	3.8E+01
Maryvale Prep School	CMBG	Background Soil	8.9E+02	3.0E+01	NA	1.9E+01	2.6E+03	1.9E+01
Fork Control	CMBG	Background Soil	6.7E+02	3.1E+01	4.7E+01	2.9E+01	3.4E+04	1.4E+01
White Oak	CMBG	BG 04 SS	9.3E+01	1.2E+01	7.1E+00	4.8E+00	1.1E+04	2.8E+01
White Oak	CMBG	BG 05 SS	1.7E+02	2.1E+01	1.4E+01	9.4E+00	1.6E+04	2.5E+01
White Oak	CMBG	BG 06 SS	3.8E+02	1.2E+01	3.5E+00	1.9E+01	9.6E+03	4.2E+01
White Oak	CMBG	BG 101 SS	3.0E+02	1.0E+01	2.8E+00	1.7E+01	8.7E+03	3.6E+01
White Oak	CMBG	BG 07 SS	2.6E+02	1.3E+01	3.0E+00	5.5E+00	1.0E+04	1.8E+01
White Oak	CMBG	BG 10 SS	1.1E+03	5.6E+01	6.3E+00	1.3E+01	1.6E+04	3.1E+01
White Oak	CMBG	BG 09 SS	2.8E+02	1.9E+01	7.3E+00	1.2E+02	1.9E+04	1.3E+01
White Oak	CMBG	BG 100 SS	8.8E+01	2.7E+01	3.7E+00	1.1E+01	2.6E+04	1.2E+01
White Oak	CMBG	BG 102 SS	8.3E+01	8.4E+00	7.9E-01	3.4E+00	6.0E+03	1.8E+01

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CENTRAL

Site Name	Province	Designation	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	6.4E+02	3.8E+02	*5.0E-02*	7.9E+00	2.6E+02	7.9E-01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	9.7E+02	4.9E+02	*5.0E-02*	7.9E+00	3.6E+02	9.0E-01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	1.8E+03	2.7E+02	*5.0E-02*	9.0E+00	5.7E+02	1.8E+00
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	7.2E+02	1.3E+02	*5.0E-02*	6.8E+00	3.7E+02	8.2E-01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	1.1E+03	9.6E+01	*6.5E-02*	5.1E+00	4.2E+02	8.1E-01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	3.2E+03	4.4E+02	*6.5E-02*	1.3E+01	1.6E+03	7.5E-01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	3.4E+03	4.7E+02	1.4E-01	1.2E+01	1.6E+03	6.4E-01
Mullinex Farms	CMBG	Background Soil	2.5E+03	2.2E+03	NA	4.1E+01	4.4E+02	NA
MullinexFarms	CMBG	Background Soil	5.0E+02	3.4E+03	NA	*8.0E+00*	2.2E+02	NA
Hopkins Quarry	CMBG	Background Soil	2.8E+03	8.0E+02	*5.0E-02*	8.0E+00	4.1E+03	*2.5E-01*
Childs Property	CMBG	Background Soil	1.6E+03	2.6E+02	2.1E-01	1.9E+01	8.2E+02	9.2E-01
Big Elk Chapel Road	CMBG	Background Soil	2.3E+03	2.3E+02	*6.0E-02*	6.1E+00	1.4E+03	6.3E-01
Power Matic	CMBG	Background Soil	8.3E+03	4.3E+02	1.0E-01	3.0E+01	2.9E+03	*1.0E+00*
LeHigh Portland Cement	CMBG	Background Soil	3.1E+03	2.0E+03	1.2E-01	1.5E+01	1.4E+03	*5.0E-01*
Langs Junkyard	CMBG	Background Soil	6.4E+02	6.8E+02	*1.0E-01*	5.1E+00	8.3E+02	*1.5E+00*
Kate Wagner Landfill	CMBG	Background Soil	1.1E+03	NA	*8.5E-02*	*4.0E+00*	NA	*5.0E-01*
Bachmans Valley Landfill	CMBG	Background Soil	2.3E+03	6.4E+02	1.7E-01	1.7E+01	1.5E+02	*5.0E-01*
Maryvale Prep School	CMBG	Background Soil	9.4E+02	1.1E+03	*5.5E-02*	1.1E+01	5.2E+02	*4.8E-01*
Fork Control	CMBG	Background Soil	6.7E+03	5.4E+02	4.0E-02	3.3E+01	6.9E+03	6.9E-01
White Oak	CMBG	BG 04 SS	6.5E+02	2.4E+02	7.0E-02	4.9E+00	3.1E+02	*3.1E-01*
White Oak	CMBG	BG 05 SS	9.2E+02	3.0E+02	6.0E-02	8.0E+00	5.4E+02	*3.1E-01*
White Oak	CMBG	BG 06 SS	3.7E+02	7.4E+01	2.1E-01	6.5E+00	3.6E+02	6.2E-01
White Oak	CMBG	BG 101 SS	3.1E+02	5.5E+01	1.8E-01	5.4E+00	3.0E+02	7.4E-01
White Oak	CMBG	BG 07 SS	7.7E+02	1.5E+02	4.0E-02	6.4E+00	3.6E+02	*3.0E-01*
White Oak	CMBG	BG 10 SS	1.2E+03	4.9E+02	1.1E-01	2.9E+01	8.6E+02	6.5E-01
White Oak	CMBG	BG 09 SS	1.7E+03	1.8E+02	4.0E-02	1.0E+01	1.0E+03	5.5E-01
White Oak	CMBG	BG 100 SS	1.2E+03	7.2E+01	2.0E-02	7.5E+00	1.0E+03	7.3E-01
White Oak	CMBG	BG 102 SS	3.2E+02	2.0E+01	5.0E-02	2.8E+00	2.4E+02	5.4E-01

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CENTRAL

Site Name	Province	Designation	Silver	Sodium	Thallium	Vanadium	Zinc
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	3.6E-01	1.7E+02	1.3E+00	2.6E+01	1.8E+01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	5.6E-01	2.5E+02	1.7E+00	2.6E+01	2.5E+01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	6.9E-01	2.3E+02	2.9E+00	3.2E+01	3.1E+01
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	*1.0E+00*	2.3E+02	*1.0E+00*	2.0E+01	2.3E+01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	*7.5E-01*	7.9E+01	*2.5E-01*	2.6E+01	3.9E+01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	*8.0E-01*	7.0E+01	*2.7E-01*	3.3E+01	5.1E+01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	*8.0E-01*	1.0E+02	*2.6E-01*	3.4E+01	5.9E+01
Mullinex Farms	CMBG	Background Soil	*5.0E-01*	1.1E+02	NA	3.3E+01	7.2E+01
MullinexFarms	CMBG	Background Soil	*5.0E-01*	8.0E+01	NA	1.9E+01	4.4E+01
Hopkins Quarry	CMBG	Background Soil	*5.0E-01*	*1.0E+02*	*2.5E-01*	1.7E+01	7.2E+01
Childs Property	CMBG	Background Soil	*1.0E+00*	1.4E+02	*1.0E+00*	2.0E+01	1.1E+02
Big Elk Chapel Road	CMBG	Background Soil	*2.2E-01*	5.9E+01	*5.5E-01*	5.6E+00	1.7E+01
Power Matic	CMBG	Background Soil	1.0E+00	8.6E+01	4.3E-01	4.2E+01	1.1E+02
LeHigh Portland Cement	CMBG	Background Soil	1.5E+00	3.8E+02	3.4E-01	3.2E+01	6.0E+01
Langs Junkyard	CMBG	Background Soil	NA	3.8E+01	NA	1.9E+01	3.2E+01
Kate Wagner Landfill	CMBG	Background Soil	*1.0E+00*	8.8E+01	*1.0E+00*	1.6E+01	4.3E+01
Bachmans Valley Landfill	CMBG	Background Soil	*1.0E+00*	3.6E+01	*1.0E+00*	1.9E+01	7.5E+01
Maryvale Prep School	CMBG	Background Soil	*6.0E-01*	5.0E+01	*2.4E-01*	3.8E+01	2.9E+01
Fork Control	CMBG	Background Soil	*1.0E+00*	*5.0E+02*	3.1E+00	3.7E+01	1.1E+02
White Oak	CMBG	BG 04 SS	*8.5E-02*	4.4E+01	*3.2E-01*	2.6E+01	1.9E+01
White Oak	CMBG	BG 05 SS	*8.5E-02*	*4.3E+01*	*3.2E-01*	*1.2E+01*	2.6E+01
White Oak	CMBG	BG 06 SS	1.3E+00	7.7E+01	*3.2E-01*	3.1E+01	2.3E+01
White Oak	CMBG	BG 101 SS	9.9E-01	5.8E+01	*3.1E-01*	2.7E+01	1.8E+01
White Oak	CMBG	BG 07 SS	*8.5E-02*	*4.2E+01*	*3.1E-01*	2.2E+01	2.0E+01
White Oak	CMBG	BG 10 SS	*9.0E-02*	6.5E+01	*3.3E-01*	2.8E+01	4.4E+01
White Oak	CMBG	BG 09 SS	*1.1E-01*	1.2E+02	*2.8E-01*	3.2E+01	3.1E+01
White Oak	CMBG	BG 100 SS	*1.1E-01*	1.3E+02	*2.7E-01*	4.3E+01	2.6E+01
White Oak	CMBG	BG 102 SS	*1.1E-01*	*1.5E+01*	*2.7E-01*	1.4E+01	7.8E+00

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WESTERN

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium
Ft. Detrick	WMBG	BORMWA1-A	NA	NA	2.3E+01	5.5E+02	NA	NA
Ft. Detrick	WMBG	BORMWA1-B	NA	NA	2.2E+01	5.3E+02	NA	NA
Ft. Detrick	WMBG	BORMWA2-B	NA	NA	NA	5.5E+02	NA	NA
Ft. Detrick	WMBG	BORMWA3-A	NA	NA	1.1E+01	5.0E+02	NA	NA
Ft. Detrick	WMBG	BORMWA3-B	NA	NA	NA	5.6E+02	NA	NA
Ft. Detrick	WMBG	BORMW9D-A	NA	NA	NA	6.4E+02	NA	NA
Ft. Detrick	WMBG	BORMW9D-B	NA	NA	1.2E+01	5.6E+02	NA	NA
Ft. Detrick	WMBG	BMW36D-A	2.4E+04	5.0E+00	1.0E+01	1.6E+02	8.7E-01	2.5E-01
Ft. Detrick	WMBG	AMWA3—0	2.0E+04	5.0E+00	1.0E+01	1.5E+02	1.1E+00	2.5E-01
Ft. Detrick	WMBG	AMWA1-0.5	2.5E+04	5.0E+00	2.7E+01	1.1E+02	2.1E+00	2.5E-01
Ft. Detrick	WMBG	AMWA2-0.5	2.1E+04	5.0E+00	2.0E+01	1.7E+02	2.7E+00	2.5E-01
Frederick Tool and Die	WMBG	BMW47D-0	2.1E+04	5.0E+00	1.0E+01	1.2E+02	8.3E-01	2.5E-01
Vale Summit	WMBG	Background Soil	1.9E+04	3.3E+00	6.0E+00	1.1E+02	9.5E-01	3.7E-01
Old Cumberland Land Fill	WMBG	Background Soil	7.2E+03	NA	NA	1.6E+02	1.7E+00	1.2E+01
Hoffman Land fill	WMBG	Background Soil	7.0E+03	4.3E+00	8.2E+00	1.5E+02	6.1E-01	8.1E-01
Cabin Run Land Fill	WMBG	Background Soil	8.3E+03	NA	7.9E+00	1.4E+02	1.1E+00	4.3E-01
Fort Ritchie	WMBG	BKSS07	6.3E+03	6.0E+00	6.1E+00	3.7E+01	3.0E-01	5.0E-01
Fort Ritchie	WMBG	BKSS08	7.3E+03	2.5E-01	1.1E-01	6.5E+01	2.1E-01	3.1E-01
Fort Ritchie	WMBG	BKSS09	9.3E+03	2.6E-01	5.5E-02	1.1E+02	3.7E-01	3.7E-01
Fort Ritchie	WMBG	BKSS11	8.0E+03	2.6E-01	5.5E-02	1.4E+02	4.0E-01	3.7E-01
Fort Ritchie	WMBG	BKSS12	4.9E+03	2.6E-01	4.1E-01	6.2E+01	1.2E-01	3.6E-01
Fort Ritchie	WMBG	BKSS13	7.1E+03	2.5E-01	2.1E-01	3.4E+01	1.5E-01	4.0E-01
Fort Ritchie	WMBG	BKSS14	5.4E+03	2.6E-01	1.4E-01	4.3E+01	1.3E-01	3.0E-01
Fort Ritchie	WMBG	BKSS15	7.7E+03	NA	4.5E-01	3.9E+01	4.0E-02	7.6E-01
Fort Ritchie	WMBG	BKSS16	6.2E+03	3.9E-01	5.9E-01	3.2E+01	4.0E-02	5.4E-01
Fort Ritchie	WMBG	BKSS17	7.4E+03	2.8E-01	4.4E-01	8.2E+01	2.3E-01	3.5E-01
Fort Ritchie	WMBG	BKSS18	9.1E+03	2.6E-01	5.5E-02	1.1E+02	4.2E-01	3.5E-01
Fort Ritchie	WMBG	BKSS37	1.6E+04	2.8E-01	6.5E-01	2.9E+02	1.3E+00	5.5E-01
Fort Ritchie	WMBG	BKSS38	8.1E+03	3.9E-01	3.0E+00	3.8E+01	1.9E-01	1.5E-01
Fort Ritchie	WMBG	BKSS39	6.6E+03	3.8E-01	2.3E+00	5.0E+01	1.6E-01	9.8E-01
Fort Ritchie	WMBG	BKSS40	5.6E+03	3.2E-01	2.7E+00	3.4E+01	1.2E-01	1.2E-01
Fort Ritchie	WMBG	BKSS19	5.2E+03	3.2E-01	2.3E+00	2.3E+01	6.0E-02	1.3E-01
Fort Ritchie	WMBG	BKSS20	1.8E+04	2.6E-01	1.1E-01	4.8E+01	3.4E-01	1.8E-01
Fort Ritchie	WMBG	BKSS21	1.9E+04	7.6E-01	4.7E-01	7.0E+01	4.0E-01	3.6E+00
Fort Ritchie	WMBG	BKSS22	1.5E+04	2.8E-01	6.0E-02	2.9E+01	3.0E-01	2.1E-01
Fort Ritchie	WMBG	BKSS23	1.8E+04	2.6E-01	2.1E-01	5.7E+01	4.9E-01	2.1E-01
Fort Ritchie	WMBG	BKSS24	1.4E+04	2.8E-01	3.2E-01	7.2E+01	5.5E-01	2.5E-01
			1.9E+04	8.6E-01	8.5E-01	6.6E+01	3.9E-01	3.8E+00

WESTERN

Fort Ritchie	WMBG	BKSS25	2.1E+04	2.7E-01	6.0E-02	9.0E+01	4.3E-01	2.3E-01
Fort Ritchie	WMBG	BKSS26	2.2E+04	2.8E-01	6.0E-02	1.6E+02	5.1E-01	2.0E-01
Fort Ritchie	WMBG	BKSS27	1.9E+04	3.1E-01	7.0E-02	1.3E+02	4.6E-01	5.4E-01
Fort Ritchie	WMBG	BKSS28	1.5E+04	2.9E-01	6.0E-02	1.1E+02	8.3E-01	3.8E-01
Fort Ritchie	WMBG	BKSS29	1.6E+04	2.8E-01	1.9E-01	8.1E+01	5.2E-01	3.1E-01
Fort Ritchie	WMBG	BKSS30	2.0E+04	1.0E+00	1.2E-01	7.3E+01	2.8E-01	4.0E+00
Fort Ritchie	WMBG	BKSS31	1.5E+04	7.3E-01	3.4E-01	5.2E+01	2.0E-01	2.1E+00
Fort Ritchie	WMBG	BKSS32	2.0E+04	4.8E-01	1.2E-01	4.6E+01	3.1E-01	1.5E+00
Fort Ritchie	WMBG	BKSS33	1.9E+04	1.5E+00	1.2E+00	2.0E+02	3.9E-01	3.0E+00
Fort Ritchie	WMBG	BKSS34	2.0E+04	1.0E+00	1.2E-01	8.5E+01	3.0E-01	2.4E+00
Fort Ritchie	WMBG	BKSS35	1.7E+04	1.1E+00	1.0E+00	3.5E+01	3.2E-01	5.1E+00
Fort Ritchie	WMBG	BKSS36	1.6E+04	8.4E-01	1.6E-01	1.1E+02	3.3E-01	2.1E+00

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WESTERN

Site Name	Province	Designation	Calcium	Chromium (Total)	Cobalt	Copper	Iron	Lead
Ft. Detrick	WMBG	BORMWA1-A	2.3E+03	NA	NA	2.8E+01	3.8E+04	2.8E+01
Ft. Detrick	WMBG	BORMWA1-B	2.7E+03	NA	NA	3.2E+01	6.1E+04	2.3E+01
Ft. Detrick	WMBG	BORMWA2-B	1.9E+03	NA	2.3E+01	NA	3.6E+04	1.5E+01
Ft. Detrick	WMBG	BORMWA3-A	1.5E+03	NA	NA	NA	2.3E+04	2.0E+01
Ft. Detrick	WMBG	BORMWA3-B	3.5E+02	NA	NA	NA	3.5E+04	1.2E+01
Ft. Detrick	WMBG	BORMW9D-A	2.3E+03	NA	NA	2.0E+01	4.1E+04	2.3E+01
Ft. Detrick	WMBG	BORMW9D-B	3.5E+03	NA	NA	NA	3.9E+04	2.0E+01
Ft. Detrick	WMBG	BMW36D-A	1.4E+03	2.1E+01	9.7E+00	1.2E+01	2.6E+04	2.2E+01
Ft. Detrick	WMBG	AMWA3--0	5.4E+03	2.0E+01	1.3E+01	9.0E+00	2.1E+04	1.7E+01
Ft. Detrick	WMBG	AMWA1-0.5	4.3E+03	3.7E+01	1.5E+01	2.4E+01	3.6E+04	2.7E+01
Ft. Detrick	WMBG	AMWA2-0.5	1.9E+04	1.9E+01	1.6E+01	1.4E+01	2.6E+04	2.2E+01
Frederick Tool and Die	WMBG	BMW47D-0	3.3E+03	2.1E+01	1.0E+01	1.2E+01	2.4E+04	3.3E+01
Vale Summit	WMBG	Background Soil	3.3E+03	2.6E+01	1.2E+01	2.5E+01	2.2E+04	1.4E+02
Old Cumberland Land Fill	WMBG	Background Soil	1.6E+03	2.3E+01	3.0E+01	4.8E+01	7.1E+04	4.5E+01
Hoffman Land fill	WMBG	Background Soil	3.7E+03	2.1E+01	5.8E+00	1.6E+01	2.1E+04	3.4E+01
Cabin Run Land Fill	WMBG	Background Soil	2.6E+03	1.2E+01	1.9E+01	2.9E+01	3.4E+04	3.5E+01
Fort Ritchie	WMBG	BKSS07	5.9E+02	1.0E+01	3.6E+00	2.0E+01	2.5E+04	1.2E+01
Fort Ritchie	WMBG	BKSS08	5.7E+01	3.7E+00	1.1E+00	1.4E+00	5.1E+03	3.7E+00
Fort Ritchie	WMBG	BKSS09	1.2E+02	4.2E+00	2.6E+00	1.6E+00	5.4E+03	5.4E+00
Fort Ritchie	WMBG	BKSS11	2.1E+02	3.4E+00	2.3E+00	1.4E+00	4.8E+03	7.6E+00
Fort Ritchie	WMBG	BKSS12	1.3E+02	3.7E+00	8.7E-01	2.6E+00	5.2E+03	1.4E+01
Fort Ritchie	WMBG	BKSS13	6.1E+01	5.2E+00	1.3E+00	1.3E+00	6.7E+03	6.6E+00
Fort Ritchie	WMBG	BKSS14	9.5E+01	3.6E+00	8.0E-01	2.9E+00	4.5E+03	2.8E+01
Fort Ritchie	WMBG	BKSS15	1.0E+02	3.1E+00	3.8E-01	9.0E-02	5.6E+03	3.0E+00
Fort Ritchie	WMBG	BKSS16	7.2E+01	1.7E+00	4.3E-01	4.4E-01	4.3E+03	2.2E+01
Fort Ritchie	WMBG	BKSS17	1.4E+02	3.4E+00	2.0E+00	1.8E+00	4.8E+03	1.4E+01
Fort Ritchie	WMBG	BKSS18	1.3E+02	3.7E+00	2.3E+00	2.0E+00	4.8E+03	1.1E+01
Fort Ritchie	WMBG	BKSS37	3.9E+02	4.5E+00	5.8E+00	5.7E+00	6.9E+03	2.0E+01
Fort Ritchie	WMBG	BKSS38	8.9E+02	7.8E+00	2.1E+00	3.8E+00	1.0E+04	1.5E+01
Fort Ritchie	WMBG	BKSS39	7.2E+02	5.4E+00	1.0E+00	3.2E+00	7.1E+03	1.8E+01
Fort Ritchie	WMBG	BKSS40	8.7E+01	1.9E+01	3.9E-01	1.1E+00	7.0E+03	7.4E+00
Fort Ritchie	WMBG	BKSS19	9.9E+01	4.9E+00	3.8E-01	1.7E+00	6.8E+03	8.9E+00
Fort Ritchie	WMBG	BKSS20	8.1E+02	5.1E+01	4.2E+01	3.8E+01	3.0E+04	6.7E+00
Fort Ritchie	WMBG	BKSS21	8.3E+02	3.8E+01	3.3E+01	2.4E+01	2.9E+04	1.4E+01
Fort Ritchie	WMBG	BKSS22	9.4E+02	5.1E+01	2.4E+01	1.4E+01	2.5E+04	5.3E+00
Fort Ritchie	WMBG	BKSS23	6.1E+02	5.5E+01	4.8E+01	3.8E+01	3.2E+04	5.0E+00
Fort Ritchie	WMBG	BKSS24	9.3E+02	5.1E+01	4.5E+01	1.7E+01	2.7E+04	2.1E+01
			3.5E+03	3.8E+01	4.5E+01	2.4E+01	3.3E+04	1.8E+01

WESTERN

Fort Ritchie	WMBG	BKSS25	8.4E+02	3.8E+01	3.1E+01	3.3E+01	3.0E+04	7.7E+00
Fort Ritchie	WMBG	BKSS26	7.6E+02	3.5E+01	3.8E+01	4.2E+01	3.4E+04	1.1E+01
Fort Ritchie	WMBG	BKSS27	2.2E+03	3.0E+01	3.1E+01	4.3E+01	3.1E+04	3.4E+01
Fort Ritchie	WMBG	BKSS28	2.3E+03	5.3E+01	4.5E+01	3.0E+01	3.4E+04	1.9E+01
Fort Ritchie	WMBG	BKSS29	2.5E+03	7.4E+01	3.7E+01	3.2E+01	3.0E+04	1.4E+01
Fort Ritchie	WMBG	BKSS30	1.7E+03	3.0E+01	3.0E+01	2.7E+01	3.5E+04	2.2E+01
Fort Ritchie	WMBG	BKSS31	3.9E+02	1.7E+01	1.7E+01	1.4E+01	2.4E+04	1.4E+01
Fort Ritchie	WMBG	BKSS32	4.4E+02	2.1E+01	2.2E+01	1.5E+01	2.3E+04	1.1E+01
Fort Ritchie	WMBG	BKSS33	2.2E+03	4.0E+01	3.0E+01	6.1E+01	3.7E+04	1.7E+02
Fort Ritchie	WMBG	BKSS34	3.5E+03	3.3E+01	3.1E+01	2.3E+01	3.0E+04	2.3E+01
Fort Ritchie	WMBG	BKSS35	1.6E+03	5.0E+01	3.2E+01	3.9E+01	3.5E+04	7.0E+00
Fort Ritchie	WMBG	BKSS36	1.7E+03	2.8E+01	3.3E+01	2.6E+01	3.2E+04	1.7E+01

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WESTERN

Site Name	Province	Designation	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium
Ft. Detrick	WMBG	BORMWA1-A	NA	1.0E+03	NA	NA	4.3E+04	NA
Ft. Detrick	WMBG	BORMWA1-B	NA	4.8E+02	NA	NA	3.9E+04	NA
Ft. Detrick	WMBG	BORMWA2-B	NA	2.7E+02	NA	NA	2.7E+04	NA
Ft. Detrick	WMBG	BORMWA3-A	NA	1.0E+03	NA	NA	1.8E+04	NA
Ft. Detrick	WMBG	BORMWA3-B	NA	3.1E+02	NA	NA	2.1E+04	NA
Ft. Detrick	WMBG	BORMW9D-A	NA	1.5E+03	NA	NA	2.0E+04	NA
Ft. Detrick	WMBG	BORMW9D-B	NA	1.7E+03	NA	NA	2.0E+04	NA
Ft. Detrick	WMBG	BMW36D-A	2.7E+03	4.3E+02	5.0E-02	1.6E+01	2.6E+03	5.0E+00
Ft. Detrick	WMBG	AMWA3--0	2.6E+03	1.1E+03	5.0E-02	1.5E+01	2.5E+03	8.2E+00
Ft. Detrick	WMBG	AMWA1-0.5	6.2E+03	9.0E+02	5.0E-02	2.9E+01	4.4E+03	9.6E+00
Ft. Detrick	WMBG	AMWA2-0.5	4.1E+03	1.5E+03	5.0E-02	2.0E+01	3.6E+03	5.0E+00
Frederick Tool and Die	WMBG	BMW47D-0	2.5E+03	5.5E+02	5.0E-02	1.4E+01	1.7E+03	5.0E+00
Vale Summit	WMBG	Background Soil	2.2E+03	8.3E+02	6.0E-02	1.6E+01	1.6E+03	7.3E-01
Old Cumberland Land Fill	WMBG	Background Soil	1.4E+03	1.7E+03	4.0E-02	4.7E+01	1.9E+03	8.6E-01
Hoffman Land fill	WMBG	Background Soil	6.5E+02	1.1E+02	6.0E-02	8.8E+00	5.7E+02	1.2E+00
Cabin Run Land Fill	WMBG	Background Soil	1.0E+03	1.2E+03	1.0E-01	2.2E+01	1.2E+03	3.5E-01
Fort Ritchie	WMBG	BKSS07	2.5E+02	4.1E+01	5.0E-02	1.8E+00	1.0E+03	NA
Fort Ritchie	WMBG	BKSS08	3.3E+02	5.7E+01	6.0E-02	1.9E+00	7.0E+02	9.0E-01
Fort Ritchie	WMBG	BKSS09	4.8E+02	1.8E+02	6.0E-02	4.0E+00	8.7E+02	4.1E-01
Fort Ritchie	WMBG	BKSS11	4.4E+02	4.5E+02	6.0E-02	3.0E+00	5.6E+02	1.0E+00
Fort Ritchie	WMBG	BKSS12	2.7E+02	1.7E+02	8.0E-02	2.1E+00	1.5E+02	7.0E-01
Fort Ritchie	WMBG	BKSS13	4.1E+02	1.7E+02	8.0E-02	2.6E+00	1.9E+02	7.1E-01
Fort Ritchie	WMBG	BKSS14	2.4E+02	9.9E+01	8.0E-02	2.0E+00	1.7E+02	9.6E-01
Fort Ritchie	WMBG	BKSS15	1.9E+02	4.4E+01	7.0E-02	1.4E+00	2.4E+02	5.9E-01
Fort Ritchie	WMBG	BKSS16	9.1E+01	1.5E+02	9.0E-02	7.5E-01	6.2E+02	9.0E-01
Fort Ritchie	WMBG	BKSS17	2.9E+02	1.9E+02	8.0E-02	2.4E+00	5.3E+02	6.7E-01
Fort Ritchie	WMBG	BKSS18	4.2E+02	1.6E+02	8.0E-02	4.0E+00	5.7E+02	9.9E-01
Fort Ritchie	WMBG	BKSS37	5.8E+02	2.4E+03	1.2E-01	1.3E+01	6.1E+02	1.8E+00
Fort Ritchie	WMBG	BKSS38	6.6E+02	1.1E+02	7.0E-02	4.7E+00	5.7E+02	3.6E-01
Fort Ritchie	WMBG	BKSS39	3.7E+02	5.9E+01	8.0E-02	2.9E+00	5.2E+02	6.4E-01
Fort Ritchie	WMBG	BKSS40	2.4E+02	4.0E+01	7.0E-02	8.4E+00	3.7E+02	5.3E-01
Fort Ritchie	WMBG	BKSS19	2.5E+02	2.3E+01	6.0E-02	2.1E+00	3.9E+02	4.0E-01
Fort Ritchie	WMBG	BKSS20	1.3E+04	9.5E+02	7.0E-02	5.3E+01	1.1E+02	1.7E+00
Fort Ritchie	WMBG	BKSS21	8.9E+03	1.1E+03	1.3E-01	4.4E+01	1.4E+02	1.8E+00
Fort Ritchie	WMBG	BKSS22	1.2E+04	3.3E+02	3.5E-02	5.2E+01	1.1E+02	1.5E+00
Fort Ritchie	WMBG	BKSS23	8.3E+03	9.1E+02	6.0E-02	4.9E+01	1.3E+02	1.6E+00
Fort Ritchie	WMBG	BKSS24	4.4E+03	1.9E+03	9.0E-02	3.4E+01	1.8E+02	1.9E+00
			8.6E+03	1.4E+03	1.0E-01	3.8E+01	2.2E+02	2.4E+00

WESTERN

Fort Ritchie	WMBG	BKSS25	1.3E+04	8.0E+02	7.0E-02	4.8E+01	1.5E+02	1.7E+00
Fort Ritchie	WMBG	BKSS26	1.4E+04	1.1E+03	8.0E-02	5.3E+01	1.5E+02	1.6E+00
Fort Ritchie	WMBG	BKSS27	1.2E+04	1.8E+03	1.3E-01	4.2E+01	4.3E+02	2.2E+00
Fort Ritchie	WMBG	BKSS28	6.9E+03	2.1E+03	1.1E-01	3.8E+01	1.5E+02	2.2E+00
Fort Ritchie	WMBG	BKSS29	1.1E+04	1.9E+03	9.0E-02	5.2E+01	1.3E+02	2.2E+00
Fort Ritchie	WMBG	BKSS30	9.8E+03	8.6E+02	9.0E-02	3.8E+01	1.8E+02	2.1E+00
Fort Ritchie	WMBG	BKSS31	4.1E+03	1.4E+03	8.0E-02	1.9E+01	1.9E+02	1.0E+00
Fort Ritchie	WMBG	BKSS32	1.3E+04	4.4E+02	1.2E-01	3.0E+01	1.6E+02	1.5E+00
Fort Ritchie	WMBG	BKSS33	1.3E+04	2.0E+03	1.7E-01	4.6E+01	2.1E+02	2.4E+00
Fort Ritchie	WMBG	BKSS34	1.4E+04	1.3E+03	1.8E-01	4.3E+01	2.0E+02	2.1E+00
Fort Ritchie	WMBG	BKSS35	1.3E+04	6.3E+02	8.0E-02	5.8E+01	1.3E+02	2.4E+00
Fort Ritchie	WMBG	BKSS36	1.1E+04	1.9E+03	1.5E-01	3.7E+01	1.2E+02	2.1E+00

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable. Not detected XRF data excluded from analysis due to elevated detection limits.

WESTERN

Site Name	Province	Designation	Silver	Sodium	Thallium	Vanadium	Zinc
Ft. Detrick	WMBG	BORMWA1-A	NA	NA	NA	1.9E+02	7.9E+01
Ft. Detrick	WMBG	BORMWA1-B	NA	NA	NA	1.5E+02	6.3E+01
Ft. Detrick	WMBG	BORMWA2-B	NA	NA	NA	1.7E+02	6.1E+01
Ft. Detrick	WMBG	BORMWA3-A	NA	NA	NA	1.7E+02	6.2E+01
Ft. Detrick	WMBG	BORMWA3-B	NA	NA	NA	1.6E+02	6.6E+01
Ft. Detrick	WMBG	BORMW9D-A	NA	NA	NA	1.9E+02	9.0E+01
Ft. Detrick	WMBG	BORMW9D-B	NA	NA	NA	2.4E+02	7.5E+01
Ft. Detrick	WMBG	BMW36D-A	1.0E+00	9.6E+01	1.0E+01	5.4E+01	6.2E+01
Ft. Detrick	WMBG	AMWA3--0	1.0E+00	1.0E+02	1.0E+01	4.7E+01	5.4E+01
Ft. Detrick	WMBG	AMWA1-0.5	1.0E+00	9.3E+01	1.0E+01	6.1E+01	6.1E+01
Ft. Detrick	WMBG	AMWA2-0.5	1.0E+00	7.2E+01	1.0E+01	5.3E+01	5.9E+01
Ft. Detrick	WMBG	BMW47D-0	1.0E+00	7.4E+01	1.0E+01	5.2E+01	6.3E+01
Frederick Tool and Die	WMBG	Background Soil	1.7E+00	5.3E+01	4.8E-01	3.5E+01	1.1E+02
Vale Summit	WMBG	Background Soil	NA	NA	NA	3.4E+01	1.6E+02
Old Cumberland Land Fill	WMBG	Background Soil	2.2E-01	8.9E+01	4.3E-01	1.9E+01	1.3E+02
Hoffman Land fill	WMBG	Background Soil	1.0E+00	1.2E+02	1.0E+00	1.8E+01	7.8E+01
Cabin Run Land Fill	WMBG	Background Soil	1.0E+00	3.8E+01	1.0E+00	2.3E+01	2.5E+01
Fort Ritchie	WMBG	BKSS07	1.7E+00	7.2E+01	6.0E-02	7.8E+00	1.0E+01
Fort Ritchie	WMBG	BKSS08	1.7E+00	7.7E+01	1.2E-01	8.4E+00	1.8E+01
Fort Ritchie	WMBG	BKSS09	3.5E+00	7.4E+01	1.2E-01	7.2E+00	1.6E+01
Fort Ritchie	WMBG	BKSS11	1.8E+00	7.6E+01	1.2E-01	8.9E+00	1.0E+01
Fort Ritchie	WMBG	BKSS12	1.7E+00	7.0E+01	1.2E-01	1.1E+01	1.1E+01
Fort Ritchie	WMBG	BKSS13	1.7E+00	7.2E+01	1.2E-01	8.0E+00	1.0E+01
Fort Ritchie	WMBG	BKSS14	9.5E-02	8.4E+01	6.0E-02	7.5E+00	8.4E+00
Fort Ritchie	WMBG	BKSS15	2.1E-01	9.7E+01	6.5E-02	4.1E+00	5.5E+00
Fort Ritchie	WMBG	BKSS16	1.9E+00	7.5E+01	1.3E-01	7.5E+00	1.4E+01
Fort Ritchie	WMBG	BKSS17	1.7E+00	7.3E+01	1.2E-01	7.8E+00	2.0E+01
Fort Ritchie	WMBG	BKSS18	1.9E+00	8.0E+01	6.5E-02	7.4E+00	6.4E+01
Fort Ritchie	WMBG	BKSS37	9.5E-02	9.5E+01	6.0E-02	1.4E+01	2.5E+01
Fort Ritchie	WMBG	BKSS38	1.0E-01	1.1E+02	1.9E-01	9.7E+00	2.2E+01
Fort Ritchie	WMBG	BKSS39	9.5E-02	9.3E+01	6.0E-02	8.2E+00	1.0E+01
Fort Ritchie	WMBG	BKSS40	9.5E-02	9.4E+01	2.5E-01	8.6E+00	9.7E+00
Fort Ritchie	WMBG	BKSS19	1.7E+01	9.2E+01	6.0E-02	9.3E+01	6.3E+01
Fort Ritchie	WMBG	BKSS20	2.1E-01	1.0E+02	6.5E-02	7.3E+01	5.7E+01
Fort Ritchie	WMBG	BKSS21	1.9E+01	8.8E+01	6.5E-02	8.2E+01	5.3E+01
Fort Ritchie	WMBG	BKSS22	1.8E+01	7.7E+01	1.6E-01	1.1E+02	5.6E+01
Fort Ritchie	WMBG	BKSS23	1.9E+01	8.2E+01	1.5E-01	9.2E+01	4.7E+01
Fort Ritchie	WMBG	BKSS24	2.1E-01	1.2E+02	6.5E-02	7.8E+01	6.2E+01

WESTERN

Fort Ritchie	WMBG	BKSS25	1.8E+01	8.1E+01	1.5E-01	8.5E+01	8.7E+01
Fort Ritchie	WMBG	BKSS26	1.8E+01	8.0E+01	1.3E-01	1.1E+02	9.9E+01
Fort Ritchie	WMBG	BKSS27	2.1E+01	9.5E+01	7.5E-02	9.7E+01	1.0E+02
Fort Ritchie	WMBG	BKSS28	1.9E+01	1.0E+02	1.4E-01	1.1E+02	7.2E+01
Fort Ritchie	WMBG	BKSS29	1.9E+01	1.2E+02	1.4E-01	9.6E+01	7.2E+01
Fort Ritchie	WMBG	BKSS30	2.1E-01	1.3E+02	6.5E-02	8.7E+01	6.6E+01
Fort Ritchie	WMBG	BKSS31	1.0E-01	9.2E+01	6.5E-02	4.0E+01	3.2E+01
Fort Ritchie	WMBG	BKSS32	1.1E-01	1.2E+02	1.3E-01	3.7E+01	6.5E+01
Fort Ritchie	WMBG	BKSS33	1.1E-01	1.4E+02	1.3E-01	7.1E+01	2.8E+02
Fort Ritchie	WMBG	BKSS34	1.1E-01	1.8E+02	1.4E-01	6.0E+01	8.6E+01
Fort Ritchie	WMBG	BKSS35	5.0E-01	1.2E+02	1.5E-01	9.0E+01	6.0E+01
Fort Ritchie	WMBG	BKSS36	1.1E-01	1.2E+02	1.3E-01	6.0E+01	9.1E+01

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable. Not detected XRF data excluded from analysis due to elevated detection limits.

APPENDIX D—HHRA TABLES

APPENDIX D

SUPPORTING INFORMATION FOR HEALTH RISK ASSESSMENT

D-1 RAGS Part D Tables
D-2 ProUCL Output
D-3 Sample Calculations
D-4 Historical Filtered Groundwater Samples
D-5 Refined Risk Evaluation of DRO/GRO

APPENDIX D-1

RAGS PART D TABLES

LIST OF TABLES
RAGS PART D TABLE 1
SELECTION OF EXPOSURE PATHWAYS

Table No.

1 Selection of Exposure Pathways

Table 1

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Surface Soil	Surface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with surface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Industrial workers may contact surface soil during normal work activities.
				Commercial Receptors	Child	Ingestion Dermal	Quant Quant	Child commercial receptors may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent commercial receptors may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult commercial receptors may contact surface soil while at the site.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Child recreational users may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent recreational users may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult recreational users may contact surface soil while at the site.
		Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Industrial workers may be exposed to fugitive dust and volatile emissions during work activities.
				Commercial Receptors	Child	Inhalation	Quant	Child commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
				Recreational Users	Child	Inhalation	Quant	Child recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult recreational users may be exposed to fugitive dust and volatile emissions while at the site.
	Subsurface Soil	Subsurface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with subsurface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				commercial Land use Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.

Table 1

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 2

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Subsurface Soil	Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Commercial Receptors	Child	Inhalation	Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Inhalation	Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
Future	Surface Soil	Surface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	
					Adolescent	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	
					Adolescent	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	
	Subsurface Soil	Subsurface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	
					Adolescent	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	
					Adolescent	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site. this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	

Notes:
Quant - Quantitative.

LIST OF TABLES
RAGS PART D TABLE 2
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN

Table No.

2.1 Surface Soil - Direct Contact
2.2 Surface Soil - Migration From Soil to Groundwater
2.3 Subsurface Soil - Direct Contact
2.4 Subsurface Soil - Migration From Soil to Groundwater

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**78000**	**6,200 N[8]**	**18,000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	700000	190,000 N	600,000 sat	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	78,000 N	7,200 N	No	BSL
	541-73-1	1,3-DICHLOROBENZENE	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	23000	NA	NA	No	BSL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	27000	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	12000	1,100 C	830 C	No	BSL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	780000	82,000 N	720,000 sat	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	160000	29,000 N	13,000 N	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	NA	12,000 N	2,100 C	No	BSL
	100-41-4	ETHYLBENZENE	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	1600000 [9]	63,000 N[10]	70,000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	340,000 N	NA	No	BSL
	91-20-3	NAPHTHALENE	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	1600000 [9]	380,000 N	NA	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	1200	550 C	10,000 C	No	BSL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	1600000 [9]	63,000 N	70,000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	79,000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	61,000 N	120 N	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	24,000,000 N	NA	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	610,000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	260,000 C	NA	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	3,100,000 N	NA	No	BSL
	86-74-8	CARBAZOLE	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	780000	610,000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	2300000	1,800,000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	470000	340,000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	2300000	1,700,000 N	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[21]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[21]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**220**	**150 C**	NA	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**220 [19]**	**150 C[19]**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	230000	170,000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**2200**	**1,500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	**22000**	**15,000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	310000	230,000 N	NA	No	BSL

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons (continued)**													
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	NAPHTHALENE	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	160000	3,600 C	17,000 N	No	BSL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	2700	2,000 C	NA	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	1900	1,400 C	NA	No	BSL
	53469-21-9	AROCLOR-1242	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	320	220 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	12 J	36000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	350	270 C	6,000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	**3.1**	**3.1 N**	NA	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	16	16 N	1380 C	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	**3.9**	**7 N**	1840 C	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1,370	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**39 N**	NA	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	**160**	**150 N**	NA	**Yes**	ASL
	7782-49-2	SELENIUM	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	--	**DIESEL RANGE ORGANICS**	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	28,400,000 N[20]	NA	No	BSL
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	28,400,000 N[20]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]

16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
20 - The value for total petroleum hydrocarbons (aliphatic low) is used.
21 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	**1,1-DICHLOROETHANE**	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	5100	**0.69**	**Yes**	ASL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	4600	**360**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	29000	1,500	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	22000	4,500	No	BSL
	71-43-2	**BENZENE**	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	1.9	**0.21**	**Yes**	ASL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	19000	310	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	680	62	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	930	49	No	BSL
	100-41-4	**ETHYLBENZENE**	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	64000	1,100	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	3000 [7]	200 [8]	No	BSL
	75-09-2	**METHYLENE CHLORIDE**	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	3000 [7]	1,200	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	27000	1,600	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	3000 [7]	200	No	BSL
	79-01-6	**TRICHLOROETHENE**	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	830	No	BSL
	Semivolatile Organic Compounds												
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	150	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	34,000	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	890	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	2900000	1,100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	510	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	4,500	No	BSL
	86-74-8	**CARBAZOLE**	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	5000000	9,200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	--	**680**	**Yes**	ASL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	67000	6,300	No	BSL

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**												
	90-12-0	**1-METHYLNAPHTHALENE**	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	4400	**750**	**Yes**	ASL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	100000	22,000	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	100000	22,000 [9]	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	470000	360,000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[15]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[15]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**1500**	**35**	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**1500** [14]	**35** [14]	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	680000	120,000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	48000	**1,100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	6300000	160,000	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	140000	27,000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	11000	66	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	35000	47	No	BSL
	53469-21-9	**AROCLOR-1242**	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	--	**5.3**	**Yes**	ASL
	11097-69-1	**AROCLOR-1254**	12 J	36,000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	--	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	**3.1**	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**410** [11]	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	1200	58	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	27	**1.4**	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	--	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	--	**14** [13]	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1370	**950**	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	--	NA	No	NTX
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**3.7**	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	--	**48**	**Yes**	ASL

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7782-49-2	**SELENIUM**	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	3.6	NA	No	BSL
	7440-62-2	VANADIUM	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	730	180	No	BSL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	--	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	--	NA	No	NTX
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	NA	No	NTX
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	--	NA	No	NTX
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
15 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**78000**	**6200 N[8]**	**18000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	700000	190,000 N	600000 sat	No	BSL
	107-06-2	1,2-DICHLOROETHANE	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	7000	430 C	360 C	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	78,000 N	7,200 N	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**23000**	NA	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**27000**	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	4700000	2,800,000 N	24000000 sat	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	NA	No	NTX
	67-64-1	ACETONE	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	12000	1,100 C	830 C	No	BSL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	11000	730 N	940 N	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	780000	82,000 N	720,000 sat	No	BSL
	56-23-5	CARBON TETRACHLORIDE	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	4900	610 C	330 C	No	BSL
	108-90-7	CHLOROBENZENE	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	160000	29,000 N	13,000 N	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	78000	16000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	1600000 [9]	63,000 N[10]	70000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.4 J	4800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	85000	11,000 C	13000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	340,000 N	NA	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	1600000 [9]	380,000 N	NA	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	1200	550 C	10000 C	No	BSL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	630000	500000 N	650000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	1600000 [9]	63000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	1600	2800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	79,000 N	110000 N	No	BSL
	75-01-4	VINYL CHLORIDE	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	90	60 C	280 C	No	BSL
	Semivolatile Organic Compounds													
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	160000	120,000 N	NA	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	24000000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	46000	35000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	260,000 C	NA	No	BSL
	86-74-8	CARBAZOLE	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	780000	610000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	NA	No	NTX
	86-30-6	N-NITROSODIPHENYLAMINE	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	130000	99,000 C	NA	No	BSL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	2300000	1800000 N	NA	No	BSL

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**													
	90-12-0	1-METHYLNAPHTHALENE	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	31000	31000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	470000	340000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	470000	340000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	2300000	1700000	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[20]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[20]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**220**	**150 C**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	230000	170000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**2200**	**1500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	**22000**	**15000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	310000	230000 N	NA	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	310000	230000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88,000	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	1900	1,400 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	350	270 C	6000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	ANTIMONY	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	16	16 N	1380 C	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1,010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	2300	2,300 N	NA	No	BSL

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Petroleum Hydrocarbons**													
	--	**DIESEL RANGE ORGANICS**	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	28,400,000 N[19]	NA	No	BSL
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48000	NA	28,400,000 N[19]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for total petroleum hydrocarbons (aliphatic low) is used.
20 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	5100	0.69	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	**4600**	**360**	**Yes**	ASL
	107-06-2	**1,2-DICHLOROETHANE**	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	**1**	**0.042**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	29000	1,500	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	No	NTX
	67-64-1	**ACETONE**	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	22000	**4,500**	**Yes**	ASL
	71-43-2	**BENZENE**	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	**1.9**	**0.21**	**Yes**	ASL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	41	2.2	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	19000	310	No	BSL
	56-23-5	**CARBON TETRACHLORIDE**	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	2.1	**0.17**	**Yes**	ASL
	108-90-7	**CHLOROBENZENE**	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	**680**	**62**	**Yes**	ASL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	NA	21	No	BSL
	100-41-4	**ETHYLBENZENE**	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	64000	1,100	No	BSL
	--	**M+P-XYLENES**	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	3000 [7]	**200** [8]	**Yes**	ASL
	75-09-2	**METHYLENE CHLORIDE**	2.4 J	4,800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	3000 [7]	1,200	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	27000	1600	No	NTX
	1330-20-7	**TOTAL XYLENES**	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	3000 [7]	**200**	**Yes**	ASL
	79-01-6	**TRICHLOROETHENE**	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	830	No	NTX
	75-01-4	**VINYL CHLORIDE**	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	**0.12**	**0.0056**	**Yes**	ASL
	Semivolatile Organic Compounds												
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	6700	860	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	34000	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	2900000	1100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	510	No	BSL
	86-74-8	**CARBAZOLE**	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	5000000	9200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	NA	**680**	**Yes**	ASL

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Semivolatile Organic Compounds (continued)**												
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	No	NTX
	86-30-6	**N-NITROSODIPHENYLAMINE**	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	760	**75**	**Yes**	ASL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	67000	6300	No	BSL
	Polycyclic Aromatic Hydrocarbons												
	90-12-0	**1-METHYLNAPHTHALENE**	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	**4400**	**750**	**Yes**	ASL
	83-32-9	**ACENAPHTHENE**	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	100000	**22000**	**Yes**	ASL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	100000	22000 [9]	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	470000	360000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[14]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[14]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**1500**	**35**	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	680000	120000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	48000	**1100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	6300000	160000	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	140000	27000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88000	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	35000	47	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	NA	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	3.1	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**410 [11]**	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	1200	58	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	27	1.4	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	NA	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	NA	**14 [13]**	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	950	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	NA	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	3.7	No	BSL

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7440-02-0	**NICKEL**	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	NA	**48**	**Yes**	ASL
	7782-49-2	**SELENIUM**	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	3.6	NA	No	BSL
	7440-62-2	VANADIUM	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	730	180	No	BSL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	NA	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	NA	NA	No	NTX
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	NA	No	NTX
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48,000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	NA	NA	No	NTX
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - See Secction 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

LIST OF TABLES
RAGS PART D TABLE 3
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY

Table No.	Reasonable Maximum Exposures
3.1.RME	Surface Soil - Block D
3.2.RME	Surface Soil - Block E
3.3.RME	Surface Soil - Block F
3.4.RME	Surface Soil - Block G
3.5.RME	Surface Soil - Block H
3.2.RME	Subsurface Soil - Block D
3.3.RME	Subsurface Soil - Block E
3.4.RME	Subsurface Soil - Block F
3.5.RME	Subsurface Soil - Block G
3.6.RME	Subsurface Soil - Block H

TABLE 3.1.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block D	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.6	3.8 (NP)	22.5	3.8	mg/kg	97.5% KM (Chebyshev) UCL	Pro UCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.02	0.02	mg/kg	Maximum Concentration	(1)
	ANTIMONY	mg/kg	0.66	0.48 (G)	3	0.48	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	ARSENIC	mg/kg	2.1	3.5 (G)	6	3.5	mg/kg	95% KM (Chebyshev) UCL	Pro UCL 4.00.05
	CADMIUM	mg/kg	0.70	0.15 (N)	0.4	0.15	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	COBALT	mg/kg	6.1	10.7 (G)	27.5	10.7	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	IRON	mg/kg	11700	16300 (G)	25400	16300	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	LEAD	mg/kg	20.6	29.2 (G)	75	20.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	56.3	89.9 (G)	183	89.9	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	MERCURY	mg/kg	0.15	0.25 (G)	1.7	0.25	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	MOLYBDENUM	mg/kg	0.38	0.45 (N)	0.61	0.45	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	NICKEL	mg/kg	10.9	14.6 (G)	40.6	14.6	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	VANADIUM	mg/kg	20.9	25.6 (G)	43.3	25.6	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	140	550 (NP)	1800	550	mg/kg	97.5% KM (Chebyshev) UCL	Pro UCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.43	0.81 (G)	4.8	0.81	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.75	0.87 (N)	1.8	0.87	mg/kg	95% Student's-t UCL	Pro UCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.2.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block E	1,2,3-TRICHLOROBENZENE	mg/kg	2.0	16.3 (L)	43	16.3	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,2,4-TRICHLOROBENZENE	mg/kg	9.4	77.7 (L)	210	77.7	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,4-DICHLOROBENZENE	mg/kg	0.10	0.23 (G)	2.7	0.23	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.65	1.5 (L)	11	1.5	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	36	36	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	34.6	108 (NP)	1800	108	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	0.56	0.37 (G)	2.2	0.37	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.8	2.2 (L)	9.6	2.2	mg/kg	95% H-UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	0.74	2.7 (L)	6.4	2.7	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	COBALT	mg/kg	5.9	11.6 (NP)	27.2	11.6	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05
	IRON	mg/kg	15200	17200 (N)	29900	17200	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	LEAD	mg/kg	21.6	82.3 (NP)	278	21.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	118	174 (L)	1370	174	mg/kg	95% H-UCL	ProUCL 4.00.05
	MERCURY	mg/kg	0.066	0.12 (N)	0.41	0.12	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	0.36	0.83 (N)	3.2	0.83	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	NICKEL	mg/kg	9.5	10.9 (N)	20	10.9	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	19.3	24.0 (NP)	60.7	24.0	mg/kg	95% Modified-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	956	2340 (G)	8900	2340	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.25	0.48 (N)	1.4	0.48	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.76	1.3 (NP)	4.2	1.3	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable

TABLE 3.3.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block F	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	2.0	6.1 (L)	50	6.1	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	0.096	0.096	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	0.096	0.16 (L)	1.4	0.16	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	1.1	1.4 (NP)	4	1.4	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	2.6	3.1 (N)	6	3.1	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	1.1	1.2 (L)	4.5	1.2	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	6.1	7.0 (N)	11.7	7.0	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	58.9	140 (G)	447	58.9	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.46	0.87 (G)	2.7	0.87	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	NA	NA	63	63	mg/kg	Maximum Concentration	(1)
	NICKEL	mg/kg	10.2	12.4 (N)	27	12.4	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	31.8	35.0 (N)	49	35.0	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	46.6	91.8 (N)	271	91.8	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	NA	NA	1.2	1.2	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	1.3	2.7 (NP)	9.25	2.7	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.4.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block G	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.5	3.7 (NP)	38.7	3.7	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	0.012	0.012	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	0.18	0.26 (G)	1.2	0.26	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	1.4	1.7 (G)	3.9	1.7	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	3.0	7.9 (NP)	37	7.9	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	NA	NA	14	14	mg/kg	Maximum Concentration	(1)
	COBALT	mg/kg	15.1	41.2 (G)	51.2	41.2	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	68.3	140	340	68.3	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.48	1.8 (G)	4.2	1.8	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	NA	NA	ND	NA	NA	NA	No data available
	NICKEL	mg/kg	49.3	161 (NP)	280	161	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	25.7	31.5 (N)	39.2	31.5	mg/kg	95% Student's-t UCL	ProUCL 4.00.06
	DIESEL RANGE ORGANICS	mg/kg	50.1	77.4 (N)	163	77.4	mg/kg	95% KM (t) UCL	ProUCL 4.00.07
	GASOLINE RANGE ORGANICS	mg/kg	54.1	131 (G)	810	131	mg/kg	95% KM (t) UCL	ProUCL 4.00.08
	HEXAVALENT CHROMIUM[3]	mg/kg	1.1	1.3 (G)	2.4	1.3	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.09

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.5.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[5]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block H	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.7	11.8 (NP)	45.9	11.8	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	ND	NA	NA	NA	Chemical not detected
	ANTIMONY	mg/kg	0.48	0.82 (N)	1	0.82	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	2.1	3.5 (G)	6.1	3.5	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	0.12	0.20 (N)	0.5	0.2	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	6.5	9.3 (G)	19.7	9.3	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	6.8	9.0 (L)	18	6.8	mg/kg	Mean Concentration	(1)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.071	0.19 (NP)	1.14	0.19	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	0.35	0.45 (N)	0.55	0.45	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	NICKEL	mg/kg	9.1	10.9 (N)	15	10.9	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	21.7	27.2 (G)	37.9	27.2	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	NA	NA	242	242	mg/kg	Maximum Concentration	(2)
	GASOLINE RANGE ORGANICS	mg/kg	3.7	NA(1)	12	12	mg/kg	Maximum Concentration	(3)
	HEXAVALENT CHROMIUM[4]	mg/kg	0.79	1.1 (L)	1.5	1.1	mg/kg	95% H-UCL	ProUCL 4.00.05

Notes:

(1) The average concentration is used as the EPC for lead.
(2) There are less than five samples meaningful statistics cannot be computed.
(3) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(4) Calculated by multiplying the total chromium concentration by 0.05.
(5) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.6.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block D	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.072	NA	4	4.0	mg/kg	Maximum Concentration	(1)
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.25	0.65 (NP)	24.4	0.65	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.087	0.068 (NP)	1.6	0.068	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.24	0.24	mg/kg	Maximum Concentration	(1)
	ARSENIC	mg/kg	4.2	4.6 (N)	14.3	4.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	10.1	11.7 (L)	33	11.7	mg/kg	95% H-UCL	ProUCL 4.00.05
	IRON	mg/kg	27900	30900 (N)	72,900	30900	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	LEAD	mg/kg	22.9	46.6 (NP)	1010	22.9	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	56.9	67.6 (G)	326	67.6	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	MERCURY	mg/kg	0.13	0.18 (NP)	3.3	0.18	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	38.6	42.2 (N)	90.5	42.2	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	22.5	40.3 (NP)	230	40.3	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.044	NA	0.25	0.25	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	1.1	1.4 (NP)	6	1.4	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.7.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block E	1,2,3-TRICHLOROBENZENE	mg/kg	25.7	165 (L)	2200	165	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,2,4-TRICHLOROBENZENE	mg/kg	117	724 (L)	9600	724	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,3-DICHLOROBENZENE	mg/kg	0.89	4.2 (L)	38	4.2	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,4-DICHLOROBENZENE	mg/kg	1.9	10.4 (L)	130	10.4	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (VOC)	mg/kg	0.014	0.025 (G)	0.13	0.025	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.57	1.7 (NP)	39.3	1.7	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.19	0.072 (L)	0.46	0.072	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	9.8	9.8	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	117	709 (NP)	24000	709	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.3	1.5 (G)	5.5	1.5	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	COBALT	mg/kg	3.3	4.0 (G)	9.1	4.0	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	mg/kg	14100	17100 (G)	42,200	17100	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	LEAD	mg/kg	3.6	4.3 (G)	14.4	3.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	58.0	93.9 (L)	280	93.9	mg/kg	95% H-UCL	ProUCL 4.00.05
	MERCURY	mg/kg	NA	NA	0.29	0.29	mg/kg	Maximum Concentration	(3)
	VANADIUM	mg/kg	12.4	13.8 (N)	21.1	13.8	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	826	2010 (G)	28,000	2010	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	10.4	81.1 (NP)	170	81.1	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	1.2	0.49 (G)	1.2	0.49	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.8.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block F	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	NA	NA	159	159	mg/kg	Maximum Concentration	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.10	0.22 (NP)	7.6	0.22	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	NA	NA	31	31	mg/kg	Maximum Concentration	(1)
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	0.028	0.017	0.027	0.017	mg/kg	95% KM(t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.9	2.4 (G)	7.0	2.4	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	9.5	18.7 (NP)	32.3	18.7	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	10.4	20.9 (NP)	81	10.4	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.19	0.27 (G)	1.8	0.27	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	34.9	39.9 (N)	61.6	39.9	mg/kg	Use 95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	48.9	522 (L)	881	522	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	NA	NA	21.2	21.2	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	0.86	0.98 (G)	2.0	0.98	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05

Notes:
(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.9.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block G	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.054	0.063 (G)	0.62	0.063	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.65	1.3 (NP)	57.1	1.3	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.051	0.037 (G)	0.51	0.037	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.014	0.014	mg/kg	Maximum Concentration	(1)
	ARSENIC	mg/kg	2.9	3.6 (N)	8.5	3.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	11.3	31.0 (G)	68.1	31.0	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	IRON	mg/kg	NA	NA	17,200	17200	mg/kg	Maximum Concentration	(1)
	LEAD	mg/kg	7.0	8.4 (G)	18	8.4	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	NA	NA	123	123	mg/kg	Maximum Concentration	(1)
	MERCURY	mg/kg	0.029	0.014 (NP)	0.03	0.014	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	36.6	46.3 (N)	72.7	46.3	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	16.2	21.7 (G)	105	21.7	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	782	131 (G)	980	131	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.95	1.1 (N)	2	1.1	mg/kg	95% Student's-t UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.10.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[3]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block H	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.014	0.025 (G)	0.13	0.025	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[4]	mg/kg	0.13	0.25 (L)	5.3	0.25	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.12	0.15 (N)	1.2	0.15	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	ARSENIC	mg/kg	2.8	3.6 (N)	7.4	3.6	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	9.4	12.9 (G)	30.8	12.9	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	7.2	9.0 (N)	17	7.2	mg/kg	Average Concentration	(1)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.018	0.031 (L)	0.24	0.031	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	33.5	38.1 (N)	52.9	38.1	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	38.8	130 (G)	173	130	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	3.5	2.6 (N)	9	2.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[2]	mg/kg	1.4	1.8 (G)	4.5	1.8	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05

Notes:
(1) The average concentration is used as the EPC for lead.
(2) Calculated by multiplying the total chromium concentration by 0.05.
(3) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(4) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

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TABLE 4.1.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CONSTRUCTION WORKERS- SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Construction Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	480	mg/day	USEPA, 2002b	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 2002b	BW x AT
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	
Dermal	Construction Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	3280	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.3	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	

Notes:

1 - Professional judgment.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Cancer Ingestion Intake = 6.71E-08 Cancer Dermal Intake = 1.38E-07

Noncancer Ingestion Intake = 4.70E-06 Noncancer Dermal Intake = 9.63E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.2.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CONSTRUCTION WORKERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Construction Workers	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	
				PEF	Particulate Emission Factor	1.43E+06	m3/kg	USEPA, 2002a	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	

Notes:

1 - Professional judgment.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Cancer Inhalation Intake = 3.26E-03 Noncancer Inhalation Intake = 2.28E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Industrial Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	50	mg/day	USEPA, 2002b	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 2002b	BW x AT
				EF	Exposure Frequency	250	days/year	USEPA, 2002b	
				ED	Exposure Duration	25	years	USEPA, 2002b	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
Dermal	Industrial Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	3300	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	USEPA, 2002b	
				ED	Exposure Duration	25	years	USEPA, 1989	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Cancer Ingestion Intake = 1.75E-07 Cancer Dermal Intake = 2.31E-06

Noncancer Ingestion Intake = 4.89E-07 Noncancer Dermal Intake = 6.46E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.4.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Industrial Workers	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	USEPA, 2002a	
				ED	Exposure Duration	25	years	USEPA, 2002a	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Length of typical work day.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Cancer Inhalation Intake = 8.15E-02 Noncancer Inhalation Intake = 2.28E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.5.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1), MDE, 2008	BW x AT
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
Dermal	Commercial	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	2,350	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	

Notes:

1 - Same as child resident.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children commercial receptors will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 4.13E-07 Cancer Dermal Intake (Age 0 - 6) = 9.71E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 1.38E-07 Cancer Dermal Intake (Age 0 - 2) = 3.24E-07

Cancer Ingestion Intake (Age 2 - 6) = 2.76E-07 Cancer Dermal Intake (Age 2 - 6) = 6.48E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 4.82E-06 Noncancer Dermal Intake = 1.13E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.6.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	4	hours/day	MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children commercial receptors will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 5.17E-03 Noncancer Inhalation Intake = 6.03E-02

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 1.72E-03

Cancer Inhalation Intake (Age 2 - 6) = 3.44E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.7.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1), MDE, 2008	BW x AT
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
Dermal	Commercial	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	

Notes:

1 - Same as adolescent resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 1.55E-07 Cancer Dermal Intake (Age 6 - 18) = 1.34E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 1.29E-07 Cancer Dermal Intake (Age 6 - 16) = 1.12E-06

Cancer Ingestion Intake (Age 16 - 18) = 2.58E-08 Cancer Dermal Intake (Age 16 - 18) = 2.23E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.04E-07 Noncancer Dermal Intake = 7.81E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.8.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	4	hours/day	(1), MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	132	days/year	(1), MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site 8 hours per day 132 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 1.03E-02 Noncancer Inhalation Intake = 6.03E-02

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 8.61E-03

Cancer Inhalation Intake (Age 16 - 18) = 1.72E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.9.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	50	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	MDE, 2008	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	MDE, 2008	
				BW	Body Weight	70	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9,125	days	USEPA, 1989	
Dermal	Commercial	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	3,300	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	MDE, 2008	
				BW	Body Weight	70	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9,125	days	USEPA, 1989	

Notes:

1 - Same as adult resident.

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 16 - 30) = 1.75E-07 Cancer Dermal Intake (Age 16 - 30) = 2.31E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 16 - 30) = 1.75E-07 Cancer Dermal Intake (Age 16 - 30) = 2.31E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 4.89E-07 Noncancer Dermal Intake = 6.46E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.10.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1), MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1), MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Professional judgment. Assume on site 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 16 - 30) = 8.15E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 16 - 30) = 8.15E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.11.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
Dermal	Recreational User	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	2,800	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	

Notes:

1 - Same as child resident.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children recreational users will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. OSWER Directive 9285.6-03.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 7.83E-07 Cancer Dermal Intake (Age 0 - 6) = 2.19E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 2.61E-07 Cancer Dermal Intake (Age 0 - 2) = 7.31E-07

Cancer Ingestion Intake (Age 2 - 6) = 5.22E-07 Cancer Dermal Intake (Age 2 - 6) = 1.46E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.13E-06 Noncancer Dermal Intake = 2.56E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.12.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site for 8 hours per day 250 days per year.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children recreational users will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 1.96E-02 Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 6.52E-03

Cancer Inhalation Intake (Age 2 - 6) = 1.30E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.13.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
Dermal	Recreational User	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	

Notes:

1 - Same as adolescent resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. OSWER Directive 9285.6-03.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 2.94E-07 Cancer Dermal Intake (Age 6 - 18) = 8.88E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 2.45E-07 Cancer Dermal Intake (Age 6 - 16) = 7.40E-07

Cancer Ingestion Intake (Age 16 - 18) = 4.89E-08 Cancer Dermal Intake (Age 16 - 18) = 1.48E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.71E-06 Noncancer Dermal Intake = 5.18E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.14.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site for 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 3.91E-02 Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 3.26E-02

Cancer Inhalation Intake (Age 16 - 18) = 6.52E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.15.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Recreational User	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	5,700	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - Same as adult resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 1.68E-07 Cancer Dermal Intake (Age 18 - 30) = 6.69E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 1.68E-07 Cancer Dermal Intake (Age 18 - 30) = 6.69E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.78E-07 Noncancer Dermal Intake = 3.90E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.16.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24 \text{ hours/day}}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Professional judgment. Assume on site 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 3.91E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 3.91E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.17.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
Dermal	Resident	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	2,800	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, residential children will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 1.10E-06 Cancer Dermal Intake (Age 0 - 6) = 3.07E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 3.65E-07 Cancer Dermal Intake (Age 0 - 2) = 1.02E-06

Cancer Ingestion Intake (Age 2 - 6) = 7.31E-07 Cancer Dermal Intake (Age 2 - 6) = 2.05E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.28E-05 Noncancer Dermal Intake = 3.58E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.18.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RESIDENTS SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	350	days/year	USEPA, 1994	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, residential children will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 8.22E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 1.92E+00

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 2.74E-02

Cancer Inhalation Intake (Age 2 - 6) = 5.48E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.19.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Resident	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.1	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 4.11E-07 Cancer Dermal Intake (Age 6 - 18) = 1.24E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 3.42E-07 Cancer Dermal Intake (Age 6 - 16) = 1.04E-06

Cancer Ingestion Intake (Age 16 - 18) = 6.85E-08 Cancer Dermal Intake (Age 16 - 18) = 2.07E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 2.40E-06 Noncancer Dermal Intake = 7.25E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.20.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RESIDENTS SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	CA x ET x EF x ED
				EF	Exposure Frequency	350	days/year	USEPA, 2002a	AT x 24 hours/day
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 1.64E-01

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 1.92E+00

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 1.37E-01

Cancer Inhalation Intake (Age 16 - 18) = 2.74E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.21.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Resident	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	5,700	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 1993: Superfund Standard Default Exposure Factors for the Central Tendency and Reasonable Maximum Exposure.

USEPA, 2002:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 2.35E-07 Cancer Dermal Intake (Age 18 - 30) = 9.37E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 2.35E-07 Cancer Dermal Intake (Age 18 - 30) = 9.37E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.37E-06 Noncancer Dermal Intake = 5.47E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.22.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RESIDENTS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	350	days/year	USEPA, 2002a	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	$CA = (1/PEF + 1/VF) \times Cs$
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	$PEF = \frac{Q/C \times 3600}{0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x)}$
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	$F(x) = 0.18 * (8x^3 + 12x) * \exp(-x^2)$
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	$x = 0.886 * Ut / Um$

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 1.64E-01

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 9.59E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 1.64E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

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NON-CANCER TOXICITY DATA

Table No.

5.1 Non-Cancer Toxicity Data - Oral/Dermal
5.2 Non-Cancer Toxicity Data - Inhalation

Table 5.1

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal[1]	Absorbed RfD for Dermal[2]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds										
1,2,3-Trichlorobenzene	Subchronic	8.00E-03	mg/kg/day	1	8.0E-03	mg/kg/day	Body Weight	1000/1	PPRTV	9/11/2009
	Chronic	8.0E-04	mg/kg/day	1	8.0E-04	mg/kg/day	Adrenals	NA	PPRTV	9/11/2009
1,2,4-Trichlorobenzene	Subchronic	9.0E-02	mg/kg/day	1	9.0E-02	mg/kg/day	Liver	100/1	PPRTV	6/16/2009
	Chronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Adrenals	1000/1	IRIS	04/08/2011
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Chronic	7.0E-02	mg/kg/day	1	7.0E-02	mg/kg/day	Liver	NA	ATSDR	07/2006
Polycyclic Aromatic Hydrocarbons										
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	2.0E-02	mg/kg/day	1	2.0E-02	mg/kg/day	Body Weight	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls										
Aroclor-1254	Chronic	2.0E-05	mg/kg/day	1	2.0E-05	mg/kg/day	Autoimmune	300/1	IRIS	04/08/2011
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals										
Antimony	Subchronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	PPRTV	7/29/2008
	Chronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	IRIS	04/08/2011
Arsenic	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Skin, CVS	3/1	IRIS	04/08/2011
Cadmium[3]	Chronic	1.0E-03	mg/kg/day	0.03	2.5E-05	mg/kg/day	Kidney	10/1	IRIS	04/08/2011
Cobalt	Subchronic	3.0E-03	mg/kg/day	1	3.0E-03	mg/kg/day	Thyroid	300/1	PPRTV	8/25/208
	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Blood	NA	PPRTV	8/25/2008
Iron	Subchronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
	Chronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese[4]	Chronic	1.4E-01	mg/kg/day	1.00	1.4E-01	mg/kg/day	CNS	1	IRIS	04/08/2011
Mercury[5]	Chronic	3.0E-04	mg/kg/day	0.07	2.1E-05	mg/kg/day	Autoimmune	1000/1	IRIS	04/08/2011
Molybdenum	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Gout	30/1	IRIS	04/08/2011
Nickel	Chronic	2.0E-02	mg/kg/day	0.04	8.0E-04	mg/kg/day	Body Weight	300/1	IRIS	04/08/2011
Vanadium	Subchronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Kidney	10	ATSDR	9/2009
	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Kidney	300	RSL	11/2010
Petroleum Hydrocarbons										
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
Hexavalent Chromium	Chronic	3.0E-03	mg/kg/day	0.025	7.5E-05	mg/kg/day	None Reported	300/3	IRIS	04/08/2011

Table 5.1

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - U.S. EPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted dermal RfD = Oral RfD x Oral Absorption Efficiency for Dermal.
3 - Values are for cadmium - diet.
4 - Values are for manganese - diet.
5 - Values are for mercuric chloride.

Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry
CNS = Central Nervous System.
CVS = Cardiovascular system.
GS = Gastrointestinal.
IRIS = Integrated Risk Information System.
NA = Not available.
RSL = USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 5.2

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[1]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds									
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	Subchronic	2.0E-02	mg/m^3	5.7E-03	(mg/kg/day)	Urinary Tract	NA	PPRTV	6/17/2009
	Chronic	2.0E-03	mg/m^3	5.7E-04	(mg/kg/day)	Adrenals	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Subchronic	1.2E+00	mg/m^3	3.4E-01	(mg/kg/day)	Liver	NA	ATSDR	07/2006
	Chronic	8.0E-01	mg/m^3	2.3E-01	(mg/kg/day)	Liver	100/1	IRIS	04/08/2011
Polycyclic Aromatic Hydrocarbons									
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	3.0E-03	mg/m^3	8.6E-04	(mg/kg/day)	Respiratory	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	Chronic	1.5E-05	mg/m3	4.3E-06	(mg/kg/day)	NA	NA	Cal EPA	11/2010
Cadmium	Chronic	1.0E-05	mg/m3	2.9E-06	(mg/kg/day)	Kidney	NA	ATSDR	9/2008
Cobalt	Chronic	6.0E-06	mg/m^3	1.7E-06	(mg/kg/day)	Lungs	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	Chronic	5.0E-05	mg/m^3	1.4E-05	(mg/kg/day)	CNS	1000/1	IRIS	04/08/2011
Mercury[2]	Chronic	3.0E-05	mg/m^3	8.6E-06	(mg/kg/day)	Autoimmune	NA	Cal EPA	11/2010
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	Chronic	9.0E-05	mg/m^3	2.6E-05	(mg/kg/day)	Body Weight	NA	ASTDR	9/2005
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5.2

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[(1)]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Petroleum Hydrocarbons									
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters									
Hexavalent Chromium	Chronic	1.0E-04	mg/m^3	2.9E-05	(mg/kg/day)	Lungs	300/1	IRIS	04/08/2011

Notes:
1 - Extrapolated RfD = RfC *20m^3/day / 70 kg
2 - Value is for mercuric chloride.
Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry.
Cal EPA = California Environmental Protection Agency.
CNS = Central Nervous System.
IRIS = Integrated Risk Information System.
NA = Not available.
PPRTV = Provisional Peer Reviewed Toxicity Value.

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CANCER TOXICITY DATA

Table No.

6.1 Cancer Toxicity Data - Oral/Dermal
6.2 Cancer Toxicity Data - Inhalation

Table 6.1

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds								
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	2.9E-02	$(mg/kg/day)^{-1}$	1	2.9E-02	$(mg/kg/day)^{-1}$	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5.4E-03	$(mg/kg/day)^{-1}$	1	5.4E-03	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons								
Benzo(a)anthracene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(a)pyrene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	IRIS	04/08/2011
Benzo(b)fluoranthene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(k)fluoranthene[3]	7.3E-02	$(mg/kg/day)^{-1}$	1	7.3E-02	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Chrysene[3]	7.3E-03	$(mg/kg/day)^{-1}$	1	7.3E-03	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Dibenzo(a,h)anthracene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Indeno(1,2,3-cd)pyrene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Naphthalene	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Polychlorinated Biphenyls								
Aroclor-1254	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Aroclor-1260	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Metals								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	1.5E+00	$(mg/kg/day)^{-1}$	1	1.5E+00	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	NA	NA	NA	NA	NA	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons								
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters								
Hexavalent Chromium[3]	5.0E-01	$(mg/kg/day)^{-1}$	0.025	2.0E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	NJ	11/2010

Table 6.1

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted cancer slope factor for dermal = Oral cancer slope factor / Oral Absorption Efficiency for Dermal.
3 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
Cal EPA = California Environmental Protection Agency.
IRIS = Integrated Risk Information System.
NA = Not available.
NJ = New Jersey.
PPRTV = Provisional Peer Reviwed Toxicity Value.
USEPA(1) = OSWER Directive No.9285.7-75.
USEPA(2) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Table 6.2

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds							
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons							
Benzo(a)anthracene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(a)pyrene[2]	1.1E-03	$(ug/m^3)^{-1}$	3.9E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(b)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(k)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Chrysene[2]	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Dibenzo(a,h)anthracene[2]	1.2E-03	$(ug/m^3)^{-1}$	4.2E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Indeno(1,2,3-cd)pyrene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Naphthalene	3.4E-05	$(ug/m3)^{-1}$	1.2E-01	$(mg/kg/day)^{-1}$	C / Possible Human Carcinogen	Cal EPA	11/2010
Polychlorinated Biphenyls							
Aroclor-1254	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Aroclor-1260	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Metals							
Antimony	NA	NA	NA	NA	NA	NA	NA
Arsenic	4.3E-03	$(ug/m^3)^{-1}$	1.5E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	1.8E-03	$(ug/m^3)^{-1}$	6.3E+00	$(mg/kg/day)^{-1}$	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	9.0E-03	$(ug/m^3)^{-1}$	3.2E+01	$(mg/kg/day)^{-1}$	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA
Nickel	2.6E-04	$(ug/m^3)^{-1}$	9.1E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010

Table 6.2

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Metals (Continued)							
Vanadium	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons							
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
Hexavalent Chromium[2]	8.4E-02	$(ug/m^3)^{-1}$	2.9E+02	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011

Notes:

1 - Inhalation CSF = Unit Risk * 70 kg / $20m^3$/day.

2 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Definitions:

Cal EPA = California Environmental Protection Agency.

IRIS = Integrated Risk Information System.

NA = Not available.

PPRTV = Provisional Peer Reviewed Toxicity Value.

USEPA(1) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

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CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

Table No.	REASONABLE MAXIMUM EXPOSURES
7.1.RME	Construction Worker
7.2.RME	Industrial Worker
7.3.RME	Child Commercial Receptor
7.4.RME	Adolescent Commercial Receptor
7.5.RME	Adult Commercial Receptor
7.6.RME	Child Recreational User
7.7.RME	Adolescent Recreational User
7.8.RME	Adult Recreational User
7.9.RME	Child Resident
7.10.RME	Adolescent Resident
7.11.RME	Adult Resident

Note: Tables are block-specific.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-09	9.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	0.150	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0007
				COBALT	10.7	mg/kg	7.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	1.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	20.6	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.250	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	14.6	mg/kg	9.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	25.6	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	550	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	5.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.8E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-08	4.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.8E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.0E-07	4.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.9E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-10	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0008
				ARSENIC	3.50	mg/kg	1.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	2.1E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	10.7	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
				IRON	16,300	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.250	mg/kg	3.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	6.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	14.6	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.2E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-08	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.4E-07					0.01
		Exposure Point Total									2.8E-06					0.2
	Exposure Medium Total										2.8E-06					0.2

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	2.7E-6	mg/m^3	8.7E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.5E-09	6.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.4E-8	mg/m^3	4.6E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.6E-11	3.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-6	mg/m^3	8.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.4E-08	5.6E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				CADMIUM	1.0E-7	mg/m^3	3.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.2E-10	2.4E-08	(mg/m^3)	1.0E-05	(mg/m^3)	0.002
				COBALT	7.5E-6	mg/m^3	2.4E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.2E-07	1.7E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.011	mg/m^3	3.7E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.4E-5	mg/m^3	4.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	6.3E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.3
				MERCURY	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				MOLYBDENUM	3.1E-7	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	1.0E-5	mg/m^3	3.3E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	8.7E-09	2.3E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.03
				VANADIUM	1.8E-5	mg/m^3	5.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	3.8E-4	mg/m^3	1.3E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.8E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	5.7E-7	mg/m^3	1.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	6.1E-7	mg/m^3	2.0E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.7E-07	1.4E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.001
			Exp. Route Total								4.4E-07					0.6
		Exposure Point Total									4.4E-07					0.6
	Exposure Medium Total										4.4E-07					0.6
Medium Total											3.2E-06					0.9

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.2E-08	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.6E-07	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	11.7	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	2.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	22.9	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.180	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	40.3	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	9.4E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.7E-08	6.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								8.6E-07					0.3
			Dermal	NAPHTHALENE	4.00	mg/kg	7.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-08	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.2E-09	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-08	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	11.7	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				IRON	30,900	mg/kg	4.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.004
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	9.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.180	mg/kg	2.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	42.2	mg/kg	5.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.9E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.9E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.6E-07					0.01
		Exposure Point Total									1.0E-06					0.3
	Exposure Medium Total										1.0E-06					0.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	0.000	mg/m^3	1.5E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.1E-08	1.0E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.03
				BENZO(A)PYRENE EQUIVALENTS	4.5E-7	mg/m^3	1.5E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-09	1.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.7E-7	mg/m^3	5.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-10	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	3.2E-6	mg/m^3	1.0E-08	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.5E-08	7.3E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.05
				COBALT	8.2E-6	mg/m^3	2.7E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-07	1.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.022	mg/m^3	7.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.6E-5	mg/m^3	5.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	4.7E-5	mg/m^3	1.5E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.2
				MERCURY	1.3E-7	mg/m^3	4.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.9E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.0010
				VANADIUM	3.0E-5	mg/m^3	9.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-5	mg/m^3	9.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.8E-7	mg/m^3	3.2E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-07	2.2E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								6.1E-07					0.6
		Exposure Point Total									6.1E-07					0.6
	Exposure Medium Total										6.1E-07					0.6
Medium Total											1.6E-06					1.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	9.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	2.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	20.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	14.6	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0004
				VANADIUM	25.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	550	mg/kg	9.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.6E-08	4.3E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								5.8E-06					0.04
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	3.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	14.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.0E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								9.1E-06					0.010
		Exposure Point Total									1.5E-05					0.05
	Exposure Medium Total										1.5E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	9.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.9E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.8E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								4.9E-09					0.0003
		Exposure Point Total									4.9E-09					0.0003
	Exposure Medium Total										4.9E-09					0.0003
Medium Total											1.5E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	8.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	5.4E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	40.3	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	6.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.2E-06					0.05
			Dermal	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	7.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.5E-07	9.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.7E-06					0.01
		Exposure Point Total									4.9E-06					0.06
	Exposure Medium Total										4.9E-06					0.06

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-07	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	7.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								1.8E-07					0.005
		Exposure Point Total									1.8E-07					0.005
	Exposure Medium Total										1.8E-07					0.005
Medium Total											5.1E-06					0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.1E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-08	9.6E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0007
				COBALT	10.7	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	16,300	mg/kg	6.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	20.6	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	14.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	25.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	550	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-07	4.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								6.4E-05					0.4
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.4E-09	3.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	0.150	mg/kg	1.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	16,300	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.250	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	14.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	4.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.0E-07	9.9E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.0E-05					0.02
		Exposure Point Total									8.4E-05					0.4
	Exposure Medium Total										8.4E-05					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.6E-11	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	3.2E-14	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-14	3.7E-13	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	7.7E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.6E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	4.6E-11	mg/m^3	2.4E-13	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	4.3E-13	2.8E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000003
				COBALT	3.3E-9	mg/m^3	1.7E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.5E-10	2.0E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				IRON	5.0E-6	mg/m^3	2.6E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	3.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.4E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	7.7E-11	mg/m^3	4.0E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.7E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				MOLYBDENUM	1.4E-10	mg/m^3	7.2E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	2.3E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	6.1E-12	2.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	7.9E-9	mg/m^3	4.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	7.4E-12	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	6.2E-10	1.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								8.4E-10					0.00007
		Exposure Point Total									8.4E-10					0.00007
	Exposure Medium Total										8.4E-10					0.00007
Medium Total											8.4E-05					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	9.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.9E-06	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	11.7	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	30,900	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	22.9	mg/kg	9.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.180	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-06	6.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.5
			Dermal	NAPHTHALENE	4.00	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	4.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-06	9.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-08	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	11.7	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	30,900	mg/kg	3.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.005
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.180	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0010
				VANADIUM	42.2	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	7.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.5E-06	1.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.9E-06					0.02
		Exposure Point Total									2.0E-05					0.5
	Exposure Medium Total										2.0E-05					0.5

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	3.2E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.1E-08	3.8E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	5.5E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	3.8E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-13	4.5E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	7.4E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.2E-11	8.6E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000006
				COBALT	3.6E-9	mg/m^3	1.9E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.7E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	9.6E-6	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	3.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	5.6E-11	mg/m^3	2.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.3E-8	mg/m^3	6.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	6.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	4.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	2.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.2E-08					0.001
		Exposure Point Total									1.2E-08					0.001
	Exposure Medium Total										1.2E-08					0.001
Medium Total											2.0E-05					0.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-09	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0001
				COBALT	10.7	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	16,300	mg/kg	2.5E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	20.6	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.250	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	7.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	14.6	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	550	mg/kg	8.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.8E-07	7.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.2E-05					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.5E-09	2.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	2.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	10.7	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	16,300	mg/kg	2.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.250	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	14.6	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								1.4E-05					0.01
		Exposure Point Total									2.6E-05					0.08
	Exposure Medium Total										2.6E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	6.4E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.6E-14	3.7E-13	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	4.6E-11	mg/m^3	4.8E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.6E-13	2.8E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000003
				COBALT	3.3E-9	mg/m^3	3.4E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.1E-10	2.0E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				IRON	5.0E-6	mg/m^3	5.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	7.7E-11	mg/m^3	8.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	4.7E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.2E-11	2.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	7.9E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	7.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	6.2E-10	1.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.0E-09					0.00007
		Exposure Point Total									1.0E-09					0.00007
	Exposure Medium Total										1.0E-09					0.00007
Medium Total											2.6E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.4E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	7.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	11.7	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	30,900	mg/kg	4.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	22.9	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.180	mg/kg	2.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	42.2	mg/kg	6.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	40.3	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								3.4E-06					0.10
			Dermal	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	11.7	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.180	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	42.2	mg/kg	5.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.0E-06	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.6E-06					0.01
		Exposure Point Total									7.0E-06					0.1
	Exposure Medium Total										7.0E-06					0.1

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	6.5E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.2E-08	3.8E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	5.5E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	7.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.4E-13	4.5E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	6.3E-11	8.6E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000006
				COBALT	3.6E-9	mg/m^3	3.7E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	9.6E-6	mg/m^3	9.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	7.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	2.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	5.6E-11	mg/m^3	5.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.3E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	8.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	2.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								2.3E-08					0.001
		Exposure Point Total									2.3E-08					0.001
	Exposure Medium Total										2.3E-08					0.001
Medium Total											7.0E-06					0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	9.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	2.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	20.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	14.6	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0004
				VANADIUM	25.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	550	mg/kg	9.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.6E-08	4.3E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								5.8E-06					0.04
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	3.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	14.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.0E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								9.1E-06					0.010
		Exposure Point Total									1.5E-05					0.05
	Exposure Medium Total										1.5E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	9.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.9E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.8E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								4.9E-09					0.0003
		Exposure Point Total									4.9E-09					0.0003
	Exposure Medium Total										4.9E-09					0.0003
Medium Total											1.5E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	8.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	5.4E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	40.3	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	6.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.2E-06					0.05
			Dermal	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	7.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.5E-07	9.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.7E-06					0.01
		Exposure Point Total									4.9E-06					0.06
	Exposure Medium Total										4.9E-06					0.06
	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-07	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	7.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								1.8E-07					0.005
		Exposure Point Total									1.8E-07					0.005
	Exposure Medium Total										1.8E-07					0.005
Medium Total											5.1E-06					0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-04	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	3.50	mg/kg	2.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.1E-06	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.150	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	10.7	mg/kg	8.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				IRON	16,300	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	20.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	7.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.250	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				MOLYBDENUM	0.450	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	14.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	25.6	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.05
				DIESEL RANGE ORGANICS	550	mg/kg	4.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.8E-06	7.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								1.2E-04					0.7
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	5.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.2E-05	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	7.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	0.150	mg/kg	3.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				IRON	16,300	mg/kg	3.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.250	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	9.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	14.6	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	25.6	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.0E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.0E-06	2.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								4.5E-05					0.04
		Exposure Point Total									1.7E-04					0.8
	Exposure Medium Total										1.7E-04					0.8

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.2E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.9E-14	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	2.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	9.1E-11	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	9.1E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.6E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	6.5E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.8E-10	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	9.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	8.8E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.3E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	1.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.4E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								3.2E-09					0.0003
		Exposure Point Total									3.2E-09					0.0003
	Exposure Medium Total										3.2E-09					0.0003
Medium Total											1.7E-04					0.8

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-05	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-07	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.6E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.4E-06	4.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	11.7	mg/kg	9.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				IRON	30,900	mg/kg	2.4E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.4
				LEAD	22.9	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.180	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	42.2	mg/kg	3.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	40.3	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.8E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								2.9E-05					1.0
			Dermal	NAPHTHALENE	4.00	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	9.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.2E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	8.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.5E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	11.7	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				IRON	30,900	mg/kg	6.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.180	mg/kg	3.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				VANADIUM	42.2	mg/kg	9.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.6E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.3E-06	3.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								1.1E-05					0.04
		Exposure Point Total									4.0E-05					1.0
	Exposure Medium Total										4.0E-05					1.0

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.2E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.2E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.5E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	8.3E-13	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.2E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	7.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	6.4E-10	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	1.9E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	4.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	1.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								4.6E-08					0.005
		Exposure Point Total									4.6E-08					0.005
	Exposure Medium Total										4.6E-08					0.005
Medium Total											4.0E-05					1.0

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	3.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-05	6.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	5.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	3.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	1.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-06	6.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.150	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	10.7	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				IRON	16,300	mg/kg	4.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	20.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.250	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	14.6	mg/kg	4.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	7.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	550	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	6.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.4E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.4E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.0E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	3.50	mg/kg	9.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	10.7	mg/kg	9.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.250	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	4.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	14.6	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	25.6	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.1E-07	4.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								9.1E-06					0.008
		Exposure Point Total									3.3E-05					0.1
	Exposure Medium Total										3.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	2.4E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	1.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	3.3E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.2E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	2.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	2.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	1.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	4.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	9.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.4E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								3.9E-09					0.0003
		Exposure Point Total									3.9E-09					0.0003
	Exposure Medium Total										3.9E-09					0.0003
Medium Total											3.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-07	4.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-06	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	11.7	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				IRON	30,900	mg/kg	9.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.08
				LEAD	22.9	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0008
				MERCURY	0.180	mg/kg	5.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	42.2	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.5E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								6.4E-06					0.2
			Dermal	NAPHTHALENE	4.00	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	4.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-08	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-07	7.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	11.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				VANADIUM	42.2	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.6E-07	7.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0010
			Exp. Route Total								2.4E-06					0.009
		Exposure Point Total									8.8E-06					0.2
	Exposure Medium Total										8.8E-06					0.2

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	2.4E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.3E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	2.9E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	3.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	8.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	2.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	5.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								8.8E-08					0.005
		Exposure Point Total									8.8E-08					0.005
	Exposure Medium Total										8.8E-08					0.005
Medium Total											8.9E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.7E-09	2.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	5.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-07	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0001
				COBALT	10.7	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	16,300	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	20.6	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.250	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	7.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00009
				NICKEL	14.6	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	4.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	550	mg/kg	9.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.3E-08	8.5E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								5.6E-06					0.08
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	3.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	3.50	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	0.150	mg/kg	1.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00002
				COBALT	10.7	mg/kg	7.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				IRON	16,300	mg/kg	1.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0009
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.250	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	3.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000004
				NICKEL	14.6	mg/kg	9.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-07	3.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.6E-06					0.006
		Exposure Point Total									8.3E-06					0.08
	Exposure Medium Total										8.3E-06					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	4.6E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.1E-11	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	2.4E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	1.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.3E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.2E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	2.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	2.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	1.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	4.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	6.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	9.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	8.9E-10	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								2.3E-09					0.0003
		Exposure Point Total									2.3E-09					0.0003
	Exposure Medium Total										2.3E-09					0.0003
Medium Total											8.3E-06					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	6.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.0E-07	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-08	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	7.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	30,900	mg/kg	5.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	22.9	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0005
				MERCURY	0.180	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	7.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	40.3	mg/kg	6.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	1.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.2E-06					0.1
			Dermal	NAPHTHALENE	4.00	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	5.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.1E-07	3.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	9.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	11.7	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00002
				MERCURY	0.180	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	9.4E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-07	5.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								7.8E-07					0.007
		Exposure Point Total									2.9E-06					0.1
	Exposure Medium Total										2.9E-06					0.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	2.4E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.3E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	7.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.7E-12	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	2.9E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	3.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	8.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	2.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	5.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.4E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								8.6E-08					0.005
		Exposure Point Total									8.6E-08					0.005
	Exposure Medium Total										8.6E-08					0.005
Medium Total											3.0E-06					0.1

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.2E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-04	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.50	mg/kg	3.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-06	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.150	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	10.7	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	16,300	mg/kg	1.8E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	20.6	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	9.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.008
				MERCURY	0.250	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	0.450	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	14.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.009
				VANADIUM	25.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	550	mg/kg	6.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	8.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.5E-06	1.1E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.7E-04					1.0
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.9E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-08	1.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	16,300	mg/kg	5.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.008
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.250	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00003
				NICKEL	14.6	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.007
				VANADIUM	25.6	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.8E-06	3.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								6.2E-05					0.05
		Exposure Point Total									2.3E-04					1.1
	Exposure Medium Total										2.3E-04					1.1

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	5.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.9E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.9E-12	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.5E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	6.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	9.7E-11	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.2E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.9E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.3E-08					0.001
		Exposure Point Total									1.3E-08					0.001
	Exposure Medium Total										1.3E-08					0.001
Medium Total											2.3E-04					1.1

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	3.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-05	8.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	2.6E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.3E-07	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	5.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.6E-06	5.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	11.7	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	30,900	mg/kg	3.4E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.6
				LEAD	22.9	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	7.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.180	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				VANADIUM	42.2	mg/kg	4.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	40.3	mg/kg	4.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	8.2E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.1E-06	1.8E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								4.0E-05					1.4
			Dermal	NAPHTHALENE	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.0E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.4E-07	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	30,900	mg/kg	9.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.3E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.6E-06	5.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.007
			Exp. Route Total								1.6E-05					0.06
		Exposure Point Total									5.5E-05					1.4
	Exposure Medium Total										5.5E-05					1.4

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	(ug/m^3)$^{-1}$	1.7E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	8.8E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.7E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.5E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	5.0E-10	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.7E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	7.9E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	4.6E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.9E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.6E-08	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								1.9E-07					0.02
		Exposure Point Total									1.9E-07					0.02
	Exposure Medium Total										1.9E-07					0.02
Medium Total											5.6E-05					1.5
										Total of Receptor Risks Across All Media	2.9E-04			Total of Receptor Hazards Across All Media		2.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	4.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	9.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-08	4.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0004
				COBALT	10.7	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	16,300	mg/kg	6.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	20.6	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	14.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	550	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	9.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.8E-07	2.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								3.3E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	2.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	16,300	mg/kg	2.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.250	mg/kg	3.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	14.6	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.8E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.3E-05					0.01
		Exposure Point Total									4.6E-05					0.2
	Exposure Medium Total										4.6E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	5.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.8E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	7.6E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.4E-11	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	5.4E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.9E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	8.3E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	4.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	7.4E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.9E-10	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	1.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.2E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.9E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.6E-08					0.001
		Exposure Point Total									1.6E-08					0.001
	Exposure Medium Total										1.6E-08					0.001
Medium Total											4.6E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	7.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.2E-06	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	9.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-07	5.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	11.7	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	30,900	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	22.9	mg/kg	9.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.180	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	42.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.5E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.7E-07	3.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								9.0E-06					0.3
			Dermal	NAPHTHALENE	4.00	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	6.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.6E-07	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.180	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	5.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.3E-06					0.01
		Exposure Point Total									1.2E-05					0.3
	Exposure Medium Total										1.2E-05					0.3

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	8.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.7E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.0E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.3E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-09	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	6.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	1.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	3.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	9.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.9E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.6E-08	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.7E-07					0.02
		Exposure Point Total									3.7E-07					0.02
	Exposure Medium Total										3.7E-07					0.02
Medium Total											1.3E-05					0.3

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.5E-06	5.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	4.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-09	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	8.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.150	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	16,300	mg/kg	3.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	20.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.250	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				NICKEL	14.6	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0010
				VANADIUM	25.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	550	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								7.9E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	4.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.4E-06	2.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.2E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	3.50	mg/kg	9.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	1.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	10.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	2.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	14.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	25.6	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	8.2E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.6E-07	4.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								3.7E-06					0.008
		Exposure Point Total									1.2E-05					0.1
	Exposure Medium Total										1.2E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.9E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.0E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.8E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	7.6E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.4E-11	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	5.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.9E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	8.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	4.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	7.4E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.9E-10	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	1.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.7E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								9.8E-09					0.001
		Exposure Point Total									9.8E-09					0.001
	Exposure Medium Total										9.8E-09					0.001
Medium Total											1.2E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	5.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-07	3.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	30,900	mg/kg	7.3E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	22.9	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0007
				MERCURY	0.180	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				VANADIUM	42.2	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	40.3	mg/kg	9.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								3.0E-06					0.1
			Dermal	NAPHTHALENE	4.00	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	7.9E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-07	4.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-07	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	42.2	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.6E-07	7.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.1E-06					0.009
		Exposure Point Total									4.1E-06					0.2
	Exposure Medium Total										4.1E-06					0.2

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.0E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.3E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-09	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	6.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	1.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	3.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	9.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	6.0E-09	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.6E-07					0.02
		Exposure Point Total									3.6E-07					0.02
	Exposure Medium Total										3.6E-07					0.02
Medium Total											4.5E-06					0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-05	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.01
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-07	3.6E-04	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.3E-11	1.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.3E-07	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	2.4E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.7E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	8.5
				AROCLOR-1260	108	mg/kg	7.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-05	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	2.70	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	11.6	mg/kg	7.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	1.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	21.6	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.120	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,340	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.4E-08	6.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.0E-05					8.7
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.001
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-07	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-09	2.2E-05	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.0002
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-10	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-12	6.6E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000009
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-06	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.4
				AROCLOR-1260	108	mg/kg	2.1E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-06	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	2.20	mg/kg	9.1E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-08	6.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				IRON	17,200	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.120	mg/kg	1.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.830	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.8E-06					2.4
		Exposure Point Total									2.6E-05					11
	Exposure Medium Total										2.6E-05					11

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.002	mg/m^3	7.5E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.012	mg/m^3	3.8E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	2.0E-02	(mg/m^3)	0.1
				1,4-DICHLOROBENZENE	0.000	mg/m^3	3.2E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	3.6E-09	2.3E-05	(mg/m^3)	1.2E+00	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.0E-6	mg/m^3	3.4E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.8E-09	2.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	2.5E-5	mg/m^3	8.2E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.7E-08	5.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.6E-5	mg/m^3	2.5E-07	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-07	1.7E-05	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.6E-7	mg/m^3	8.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.5E-6	mg/m^3	5.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.2E-08	3.5E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.02
				CADMIUM	1.9E-6	mg/m^3	6.2E-09	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.1E-08	4.3E-07	(mg/m^3)	1.0E-05	(mg/m^3)	0.04
				COBALT	8.1E-6	mg/m^3	2.6E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-07	1.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.5E-5	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	1.2E-4	mg/m^3	4.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.6
				MERCURY	8.4E-8	mg/m^3	2.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.0006
				MOLYBDENUM	5.8E-7	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	7.6E-6	mg/m^3	2.5E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	6.5E-09	1.7E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	1.7E-5	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	0.002	mg/m^3	5.3E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-04	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.5E-07	2.1E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								7.2E-07					1.1
		Exposure Point Total									7.2E-07					1.1
	Exposure Medium Total										7.2E-07					1.1
Medium Total											2.7E-05					12

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-04	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	4.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.4E-06	3.4E-03	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.0E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.8E-09	4.9E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	8.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	4.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	6.6E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.3
				AROCLOR-1260	709	mg/kg	4.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.5E-05	3.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	7.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	4.00	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
				IRON	17,100	mg/kg	1.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	3.60	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	6.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.290	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	9.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	2,010	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.3E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-08	2.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								9.9E-05					2.6
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-05	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.01
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.7E-08	2.1E-04	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.002
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-10	3.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-07	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	1.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-07	1.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.7
				AROCLOR-1260	709	mg/kg	1.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-05	9.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-09	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
				IRON	17,100	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.290	mg/kg	4.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	6.7E-10	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-08	4.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								2.8E-05					0.7
		Exposure Point Total									1.3E-04					3.3
	Exposure Medium Total										1.3E-04					3.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.021	mg/m^3	7.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.06	mg/m^3	2.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-02	(mg/m^3)	2.0E+00	(mg/m^3)	0.007
				1,3-DICHLOROBENZENE	2.9E-6	mg/m^3	9.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	0.004	mg/m^3	1.5E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.6E-07	1.0E-03	(mg/m^3)	1.2E+00	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	1.2E-6	mg/m^3	3.9E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.3E-09	2.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	7.0E-6	mg/m^3	2.3E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	7.8E-10	1.6E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0005
				AROCLOR-1254	6.9E-6	mg/m^3	2.2E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.3E-08	1.6E-06	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-4	mg/m^3	1.6E-06	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.2E-07	1.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.0E-6	mg/m^3	3.4E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.5E-08	2.4E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.02
				COBALT	2.8E-6	mg/m^3	9.1E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.2E-08	6.4E-07	(mg/m^3)	6.0E-06	(mg/m^3)	0.1
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	6.6E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.3
				MERCURY	2.0E-7	mg/m^3	6.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.6E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.002
				VANADIUM	9.7E-6	mg/m^3	3.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	0.001	mg/m^3	4.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-04	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	5.7E-5	mg/m^3	1.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.4E-08	7.8E-08	(mg/m^3)	1.0E-04	(mg/m^3)	0.0008
			Exp. Route Total								1.3E-06					0.4
		Exposure Point Total									1.3E-06					0.4
	Exposure Medium Total										1.3E-06					0.4
Medium Total											1.3E-04					3.7

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.010
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.4E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.9E-07	3.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.0E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.2E-10	1.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.9
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	3.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	21.6	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.120	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	24.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								5.3E-05					0.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.4E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-07	1.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.6E-11	4.5E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000006
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	3.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.3E-07	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	6.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0007
				COBALT	11.6	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.120	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-05					1.6
		Exposure Point Total									1.5E-04					2.6
	Exposure Medium Total										1.5E-04					2.6

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.5E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.4E-08	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.2E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.1E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.6E-09	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.2E-10	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	2.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.6E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	5.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								2.2E-08					0.2
		Exposure Point Total									2.2E-08					0.2
	Exposure Medium Total										2.2E-08					0.2
Medium Total											1.5E-04					2.8

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.3E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.7E-06	3.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.8E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.8E-09	5.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	4.8E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.2
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	3.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,100	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	3.60	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.290	mg/kg	5.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-08	2.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.00008
			Exp. Route Total								2.6E-04					0.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-06	1.4E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.9E-09	2.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	3.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	2.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				COBALT	4.00	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				IRON	17,100	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	6.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	3.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								4.7E-04					0.5
		Exposure Point Total									7.3E-04					0.9
	Exposure Medium Total										7.3E-04					0.9

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	5.9E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.5E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.7E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.1E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								6.7E-07					1.1
		Exposure Point Total									6.7E-07					1.1
	Exposure Medium Total										6.7E-07					1.1
Medium Total											7.3E-04					2.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.10
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-07	3.7E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-10	1.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	3.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-05	7.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-05	1.7E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	8.7
				AROCLOR-1260	108	mg/kg	4.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-05	5.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	2.20	mg/kg	9.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				CADMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	11.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	21.6	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.120	mg/kg	5.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	2,340	mg/kg	9.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-04					9.2
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.007
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.3E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.6E-08	2.6E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.003
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.7E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.6E-11	7.8E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.4E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.9E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.8E-06	5.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.9
				AROCLOR-1260	108	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.9E-05	1.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	2.20	mg/kg	6.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.6E-08	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	17,200	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.120	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.830	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	24.0	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	6.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.8E-05					2.9
		Exposure Point Total									1.9E-04					12
	Exposure Medium Total										1.9E-04					12

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.9E-06	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	9.8E-06	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.06
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	8.3E-08	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	9.1E-10	9.7E-07	(mg/m^3)	8.0E-01	(mg/m^3)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.4E-11	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	5.8E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.3E-11	6.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.7E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	9.8E-11	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	5.9E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	3.5E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.5E-11	4.1E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				CADMIUM	8.4E-10	mg/m^3	4.3E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	7.8E-12	5.0E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000005
				COBALT	3.6E-9	mg/m^3	1.9E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.7E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	5.3E-6	mg/m^3	2.8E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	3.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00006
				MERCURY	3.7E-11	mg/m^3	1.9E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				MOLYBDENUM	2.6E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.7E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	4.5E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	7.4E-9	mg/m^3	3.8E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	3.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	7.7E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.2E-09					0.06
		Exposure Point Total									2.2E-09					0.06
	Exposure Medium Total										2.2E-09					0.06
Medium Total											1.9E-04					12

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	1.0
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.7E-06	3.5E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.3
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-08	5.0E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.7E-05	8.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	4.1E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-06	4.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.4
				AROCLOR-1260	709	mg/kg	2.9E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.9E-04	3.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-07	7.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	4.00	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				IRON	17,100	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	3.60	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.290	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	5.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,010	mg/kg	8.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	3.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.4E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								6.3E-04					3.9
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.07
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.1E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.1E-07	2.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.0E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-09	3.5E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.4E-06	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	9.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	1.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-06	1.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.8
				AROCLOR-1260	709	mg/kg	9.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-04	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-08	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,100	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.290	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.1E-04					0.9
		Exposure Point Total									8.4E-04					4.8
	Exposure Medium Total										8.4E-04					4.8

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.8E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	5.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.3
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	6.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	3.7E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	4.1E-08	4.4E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	1.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-11	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	5.8E-09	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.0E-10	6.8E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				AROCLOR-1254	3.0E-9	mg/m^3	1.6E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	8.9E-12	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.1E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.5E-10	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	2.4E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-11	2.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000002
				COBALT	1.2E-9	mg/m^3	6.4E-12	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.8E-11	7.5E-11	(mg/m^3)	6.0E-06	(mg/m^3)	0.00001
				IRON	5.3E-6	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00004
				MERCURY	9.0E-11	mg/m^3	4.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	4.3E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	4.2E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-10	9.1E-12	(mg/m^3)	1.0E-04	(mg/m^3)	0.00000009
			Exp. Route Total								4.2E-08					0.3
		Exposure Point Total									4.2E-08					0.3
	Exposure Medium Total										4.2E-08					0.3
	Exposure Medium Total										4.2E-08					0.3
Medium Total											8.4E-04					5.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.5E-07	7.0E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.007
				1,4-DICHLOROBENZENE	0.230	mg/kg	3.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.9E-10	2.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.5E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	5.6E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	1.7E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0008
				ARSENIC	2.20	mg/kg	3.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.1E-07	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				CADMIUM	2.70	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	11.6	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,200	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	21.6	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.120	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	2,340	mg/kg	3.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								5.0E-05					1.7
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.1E-08	1.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.2E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.0E-11	5.4E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000008
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	7.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.1E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.0
				AROCLOR-1260	108	mg/kg	2.0E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-05	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	8.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-07	5.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0008
				COBALT	11.6	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,200	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00010
				MERCURY	0.120	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								6.0E-05					2.0
		Exposure Point Total									1.1E-04					3.7
	Exposure Medium Total										1.1E-04					3.7

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.8E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	2.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.06
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.7E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.8E-09	9.7E-07	(mg/m^3)	8.0E-01	(mg/m^3)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-11	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.6E-11	6.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	3.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-10	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	7.0E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.0E-11	4.1E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				CADMIUM	8.4E-10	mg/m^3	8.6E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.6E-11	5.0E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000005
				COBALT	3.6E-9	mg/m^3	3.7E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.3E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	6.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00006
				MERCURY	3.7E-11	mg/m^3	3.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				MOLYBDENUM	2.6E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	3.5E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.1E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	7.4E-9	mg/m^3	7.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	7.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								3.4E-09					0.06
		Exposure Point Total									3.4E-09					0.06
	Exposure Medium Total										3.4E-09					0.06
Medium Total											1.1E-04					3.8

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.1E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.3E-06	6.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,3-DICHLOROBENZENE	4.20	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.6E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.7E-09	9.4E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.1E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	1.1E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,100	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	3.60	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.290	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-07	4.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								2.3E-04					0.7
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.4E-07	1.7E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-09	2.4E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-06	1.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				AROCLOR-1254	9.80	mg/kg	1.8E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.1E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-04	7.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.0E-08	3.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				IRON	17,100	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.290	mg/kg	3.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.5E-07	3.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.8E-04					0.6
		Exposure Point Total									5.1E-04					1.3
	Exposure Medium Total										5.1E-04					1.3

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	3.6E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.0E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.3
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	7.5E-06	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	8.2E-08	4.4E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	1.5E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.6E-11	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.2E-08	(mg/m^3)	3.4E-05	(ug/m^3)$^{-1}$	4.0E-10	6.8E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				AROCLOR-1254	3.0E-9	mg/m^3	3.1E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-11	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	2.3E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.3E-09	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	4.8E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.1E-11	2.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000002
				COBALT	1.2E-9	mg/m^3	1.3E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.2E-10	7.5E-11	(mg/m^3)	6.0E-06	(mg/m^3)	0.00001
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	3.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00004
				MERCURY	9.0E-11	mg/m^3	9.3E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	4.3E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	6.4E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	4.2E-12	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.5E-10	9.1E-12	(mg/m^3)	1.0E-04	(mg/m^3)	0.00000009
			Exp. Route Total								8.5E-08					0.3
		Exposure Point Total									8.5E-08					0.3
	Exposure Medium Total										8.5E-08					0.3
Medium Total											5.1E-04					1.6

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.010
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.4E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.9E-07	3.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.0E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.2E-10	1.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.9
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	3.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	21.6	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.120	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	24.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								5.3E-05					0.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.4E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-07	1.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.6E-11	4.5E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000006
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	3.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.3E-07	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	6.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0007
				COBALT	11.6	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.120	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-05					1.6
		Exposure Point Total									1.5E-04					2.6
	Exposure Medium Total										1.5E-04					2.6

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.5E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	1.4E-08	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	4.2E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.1E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-09	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.3E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.2E-10	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	2.9E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.6E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	5.9E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								2.2E-08					0.2
		Exposure Point Total									2.2E-08					0.2
	Exposure Medium Total										2.2E-08					0.2
Medium Total											1.5E-04					2.8

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.3E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.7E-06	3.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.8E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.8E-09	5.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	4.8E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.2
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	3.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,100	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	3.60	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.290	mg/kg	5.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-08	2.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.00008
			Exp. Route Total								2.6E-04					0.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-06	1.4E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.9E-09	2.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	3.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	2.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				COBALT	4.00	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				IRON	17,100	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	6.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	3.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								4.7E-04					0.5
		Exposure Point Total									7.3E-04					0.9
	Exposure Medium Total										7.3E-04					0.9

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	5.9E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.5E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.7E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.1E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								6.7E-07					1.1
		Exposure Point Total									6.7E-07					1.1
	Exposure Medium Total										6.7E-07					1.1
Medium Total											7.3E-04					2.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	6.1E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.8E-06	7.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.7E-10	2.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.6E-05	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	2.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-05	3.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	16
				AROCLOR-1260	108	mg/kg	8.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-04	9.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.008
				ARSENIC	2.20	mg/kg	1.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.6E-06	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				CADMIUM	2.70	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	11.6	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				IRON	17,200	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	21.6	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.01
				MERCURY	0.120	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.830	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				NICKEL	10.9	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				VANADIUM	24.0	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	2,340	mg/kg	1.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-06	1.2E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								2.8E-04					17
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-07	6.0E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.006
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.2E-11	1.8E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-05	5.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-05	1.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	6.4
				AROCLOR-1260	108	mg/kg	3.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.6E-05	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	2.70	mg/kg	5.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	11.6	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				IRON	17,200	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.120	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.830	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.5E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-06	3.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.1E-04					6.5
		Exposure Point Total									3.9E-04					24
	Exposure Medium Total										3.9E-04					24

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	7.2E-06	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.7E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	3.1E-07	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	3.5E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	4.8E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.3E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	2.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	6.5E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.7E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	2.2E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.3E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	5.7E-11	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	1.6E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	2.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	7.0E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	6.3E-10	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	7.3E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	5.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	6.6E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.7E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								8.3E-09					0.2
		Exposure Point Total									8.3E-09					0.2
	Exposure Medium Total										8.3E-09					0.2
Medium Total											3.9E-04					24

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	8.0E-04	(mg/kg/day)	1.9
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.7E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-05	6.6E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.7
				1,3-DICHLOROBENZENE	4.20	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	8.1E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	4.4E-08	9.5E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.2E-05	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				AROCLOR-1254	9.80	mg/kg	7.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-05	8.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	4.5
				AROCLOR-1260	709	mg/kg	5.5E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-03	6.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				COBALT	4.00	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,100	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	3.60	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	7.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.290	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				VANADIUM	13.8	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	2,010	mg/kg	1.6E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	6.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-06	4.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.2E-03					7.5
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	4.8E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.4E-06	5.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.06
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	6.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.7E-09	8.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				AROCLOR-1254	9.80	mg/kg	3.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-06	3.5E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	709	mg/kg	2.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-04	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	9.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	4.00	mg/kg	8.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,100	mg/kg	3.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.290	mg/kg	6.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				VANADIUM	13.8	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.6E-04					2.0
		Exposure Point Total									1.7E-03					9.4
	Exposure Medium Total										1.7E-03					9.4

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	6.7E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.9E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.4E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.6E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	5.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.0E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	2.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	7.5E-10	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	5.9E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.4E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	4.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	9.1E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	2.4E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.2E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	1.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	8.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.6E-07					1.1
		Exposure Point Total									1.6E-07					1.1
	Exposure Medium Total										1.6E-07					1.1
Medium Total											1.7E-03					11

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.3E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.6E-07	1.3E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.8E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.6E-10	3.9E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000006
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	1.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.6E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.2E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	3.1
				AROCLOR-1260	108	mg/kg	3.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-05	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	6.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.7E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	2.70	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.005
				COBALT	11.6	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				IRON	17,200	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	21.6	mg/kg	6.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	5.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.120	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				MOLYBDENUM	0.830	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				NICKEL	10.9	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	2,340	mg/kg	6.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.1E-07	2.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								9.5E-05					3.3
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.0E-08	1.2E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.001
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.1E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.3E-11	3.6E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	4.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.4E-06	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-06	2.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.3
				AROCLOR-1260	108	mg/kg	1.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-05	7.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	2.20	mg/kg	5.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-08	3.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0006
				COBALT	11.6	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.120	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				MOLYBDENUM	0.830	mg/kg	7.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	9.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								4.0E-05					1.3
		Exposure Point Total									1.4E-04					4.6
	Exposure Medium Total										1.4E-04					4.6

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	7.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	6.3E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.9E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALE	4.6E-10	mg/m^3	4.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	5.3E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	4.4E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	2.7E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.3E-08					0.2
		Exposure Point Total									1.3E-08					0.2
	Exposure Medium Total										1.3E-08					0.2
Medium Total											1.4E-04					4.8

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.4
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.1E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.2E-06	1.2E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.1
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.1E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-08	1.8E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	1.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.7E-06	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				AROCLOR-1254	9.80	mg/kg	2.9E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.8E-06	1.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.8
				AROCLOR-1260	709	mg/kg	2.1E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-04	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-07	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,100	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	3.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.290	mg/kg	8.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	4.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	2,010	mg/kg	5.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.9E-07	8.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								4.4E-04					1.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.6E-07	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.5E-09	1.6E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	5.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	8.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-06	7.1E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	8.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-04	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.0E-08	2.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				COBALT	4.00	mg/kg	3.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				IRON	17,100	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.290	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	13.8	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	2.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0003
			Exp. Route Total								1.8E-04					0.4
		Exposure Point Total									6.2E-04					1.8
	Exposure Medium Total										6.2E-04					1.8

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.3E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	3.9E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	2.8E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	3.1E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALE	5.3E-10	mg/m^3	5.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.0E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	4.4E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.5E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.8E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	8.6E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.8E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	4.8E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.4E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	3.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	2.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	9.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								3.2E-07					1.1
		Exposure Point Total									3.2E-07					1.1
	Exposure Medium Total										3.2E-07					1.1
Medium Total											6.2E-04					2.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.3E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.8E-07	7.6E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,4-DICHLOROBENZENE	0.230	mg/kg	3.9E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.1E-10	2.3E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.5E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	108	mg/kg	1.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.6E-05	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0009
				ARSENIC	2.20	mg/kg	3.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				CADMIUM	2.70	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	11.6	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	17,200	mg/kg	2.9E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	21.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.120	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	2,340	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								5.1E-05					1.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.6E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.5E-08	9.1E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0009
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.6E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.5E-11	2.7E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.5E-07	7.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	3.4E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.7E-06	2.0E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.0
				AROCLOR-1260	108	mg/kg	1.0E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-05	5.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0002
				ARSENIC	2.20	mg/kg	4.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-08	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				CADMIUM	2.70	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0004
				COBALT	11.6	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.120	mg/kg	8.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.7E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.8E-05					1.0
		Exposure Point Total									7.9E-05					2.9
	Exposure Medium Total										7.9E-05					2.9

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	7.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	6.3E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.9E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.0E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	4.4E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	2.7E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.1E-08					0.2
		Exposure Point Total									1.1E-08					0.2
	Exposure Medium Total										1.1E-08					0.2
Medium Total											7.9E-05					3.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.2E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.5E-06	7.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.7E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.4E-09	1.0E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	2.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-06	1.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				AROCLOR-1254	9.80	mg/kg	1.6E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-06	9.6E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-04	6.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.8E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	6.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,100	mg/kg	2.9E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	3.60	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0007
				MERCURY	0.290	mg/kg	4.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.2E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.1E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.5E-04					0.8
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.5E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.2E-07	8.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,3-DICHLOROBENZENE	4.20	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.1E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.1E-09	1.2E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	6.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	9.2E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-06	5.4E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.3
				AROCLOR-1260	709	mg/kg	6.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-04	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	3.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				COBALT	4.00	mg/kg	2.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				IRON	17,100	mg/kg	1.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.290	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.3E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.6E-08	1.9E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-04					0.3
		Exposure Point Total									3.8E-04					1.1
	Exposure Medium Total										3.8E-04					1.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.3E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	3.9E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	2.8E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	3.1E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	4.4E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.5E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.8E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	8.6E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.8E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	4.8E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.4E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	3.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	2.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	9.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	5.9E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.0E-10	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								3.2E-07					1.1
		Exposure Point Total									3.2E-07					1.1
	Exposure Medium Total										3.2E-07					1.1
Medium Total											3.8E-04					2.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.3
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	8.5E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.5E-06	9.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.10
				1,4-DICHLOROBENZENE	0.230	mg/kg	2.5E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.4E-09	2.9E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	8.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.4E-05	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	3.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-05	4.6E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	23
				AROCLOR-1260	108	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-04	1.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	2.20	mg/kg	2.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-06	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				CADMIUM	2.70	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.03
				COBALT	11.6	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	17,200	mg/kg	1.9E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	21.6	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.02
				MERCURY	0.120	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				MOLYBDENUM	0.830	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				NICKEL	10.9	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	24.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	2,340	mg/kg	2.6E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	7.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.7E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								3.9E-04					24
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	7.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.1E-07	8.3E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,4-DICHLOROBENZENE	0.230	mg/kg	2.1E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.1E-10	2.5E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	3.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.3E-05	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-05	1.8E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	9.0
				AROCLOR-1260	108	mg/kg	4.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.3E-05	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	2.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.0E-07	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	2.70	mg/kg	8.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	11.6	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,200	mg/kg	5.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.120	mg/kg	3.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00006
				NICKEL	10.9	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	24.0	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.3E-06	4.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								1.5E-04					9.1
		Exposure Point Total									5.4E-04					34
	Exposure Medium Total										5.4E-04					34

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.6E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	1.4E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	2.2E-10	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.2E-10	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	6.9E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.2E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.7E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	3.1E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	6.0E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.5E-08					0.9
		Exposure Point Total									3.5E-08					0.9
	Exposure Medium Total										3.5E-08					0.9
Medium Total											5.4E-04					34

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	8.0E-04	(mg/kg/day)	2.6
				1,2,4-TRICHLOROBENZENE	724	mg/kg	7.9E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.3E-05	9.3E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.9
				1,3-DICHLOROBENZENE	4.20	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.1E-05	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	6.2E-08	1.3E-04	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	9.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.3E-05	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00005
				AROCLOR-1254	9.80	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-05	1.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	6.3
				AROCLOR-1260	709	mg/kg	7.8E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-03	9.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.6E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.5E-06	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	4.00	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,100	mg/kg	1.9E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	3.60	mg/kg	3.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.009
				MERCURY	0.290	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				VANADIUM	13.8	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	2,010	mg/kg	2.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	8.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.7E-03					10
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	6.7E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.9E-06	7.8E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.08
				1,3-DICHLOROBENZENE	4.20	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	9.6E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.2E-09	1.1E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	7.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	4.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-06	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.5
				AROCLOR-1260	709	mg/kg	3.0E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.1E-04	3.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				IRON	17,100	mg/kg	5.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.290	mg/kg	8.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.6E-06	1.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								6.5E-04					2.8
		Exposure Point Total									2.3E-03					13
	Exposure Medium Total										2.3E-03					13

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	6.0E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.6E-07	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.3E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.5E-10	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.2E-10	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	7.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								6.8E-07					4.7
		Exposure Point Total									6.8E-07					4.7
	Exposure Medium Total										6.8E-07					4.7
	Exposure Medium Total										6.8E-07					4.7
Medium Total											2.3E-03					18

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-07	1.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-10	5.5E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000008
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-05	8.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	4.3
				AROCLOR-1260	108	mg/kg	4.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-05	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	9.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	11.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	21.6	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.120	mg/kg	4.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				MOLYBDENUM	0.830	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,340	mg/kg	9.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.1E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.3E-04					4.6
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.9E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.4E-08	1.7E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	8.6E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	4.6E-11	5.0E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000007
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	4.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	8.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-07	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0008
				COBALT	11.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,200	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00009
				MERCURY	0.120	mg/kg	1.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	24.0	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.6E-07	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.6E-05					1.8
		Exposure Point Total									1.9E-04					6.4
	Exposure Medium Total										1.9E-04					6.4

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	6.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	2.6E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	2.9E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.2E-10	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-09	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	5.5E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.1E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	2.5E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	5.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.3E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	8.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	6.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.2E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								5.4E-08					0.9
		Exposure Point Total									5.4E-08					0.9
	Exposure Medium Total										5.4E-08					0.9
Medium Total											1.9E-04					7.3

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.5
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.6E-06	1.7E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.2
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-08	2.5E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0004
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000009
				AROCLOR-1254	9.80	mg/kg	4.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-06	2.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.2
				AROCLOR-1260	709	mg/kg	2.9E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.8E-04	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	3.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,100	mg/kg	7.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	3.60	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.290	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	5.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	2,010	mg/kg	8.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	3.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								6.1E-04					2.0
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.7E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	7.8E-07	1.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.9E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.1E-09	2.3E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.3E-06	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	9.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	7.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	5.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-08	3.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				IRON	17,100	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.290	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.2E-07	3.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.6E-04					0.6
		Exposure Point Total									8.7E-04					2.5
	Exposure Medium Total										8.7E-04					2.5

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	5.7E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.6E-03	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.2E-04	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.3E-06	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.3E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.5E-10	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.8E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.3E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	5.0E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.8E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	3.6E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.1E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	2.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.8E-09	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	8.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	4.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	1.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	7.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.3E-06					4.7
		Exposure Point Total									1.3E-06					4.7
	Exposure Medium Total										1.3E-06					4.7
Medium Total											8.7E-04					7.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.8E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.3E-07	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,4-DICHLOROBENZENE	0.230	mg/kg	5.4E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.9E-10	3.2E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	3.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-06	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	8.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-05	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.5
				AROCLOR-1260	108	mg/kg	2.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.1E-05	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	2.20	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.7E-07	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	2.70	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.004
				COBALT	11.6	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	21.6	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.120	mg/kg	2.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				MOLYBDENUM	0.830	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	5.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	2,340	mg/kg	5.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								7.2E-05					2.6
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.3E-08	1.3E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.001
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.5E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.5E-11	3.8E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	1.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-06	2.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.4
				AROCLOR-1260	108	mg/kg	1.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.8E-05	8.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	2.20	mg/kg	6.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-08	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0006
				COBALT	11.6	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.120	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				MOLYBDENUM	0.830	mg/kg	7.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								4.0E-05					1.4
		Exposure Point Total									1.1E-04					4.0
	Exposure Medium Total										1.1E-04					4.0

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	6.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	2.6E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	2.9E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALE	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.4E-11	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-09	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	5.5E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.1E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	2.5E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	5.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.3E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	8.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	6.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.2E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								4.5E-08					0.9
		Exposure Point Total									4.5E-08					0.9
	Exposure Medium Total										4.5E-08					0.9
Medium Total											1.1E-04					4.9

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.3
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.7E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.9E-06	9.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.10
				1,3-DICHLOROBENZENE	4.20	mg/kg	9.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.4E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.3E-08	1.4E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	4.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-06	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	2.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-06	1.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.7
				AROCLOR-1260	709	mg/kg	1.7E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-04	9.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	3.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.3E-07	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				COBALT	4.00	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,100	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	3.60	mg/kg	8.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.290	mg/kg	6.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	2,010	mg/kg	4.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.8E-08	6.7E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								3.5E-04					1.1
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.9E-07	1.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.9E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-09	1.7E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	2.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	8.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-06	7.5E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	9.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.3E-08	2.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				COBALT	4.00	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				IRON	17,100	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	2.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	13.8	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	4.6E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.2E-08	2.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								1.9E-04					0.4
		Exposure Point Total									5.4E-04					1.5
	Exposure Medium Total										5.4E-04					1.5

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	5.7E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.6E-03	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.2E-04	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.3E-06	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALE	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.5E-11	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.8E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.3E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	5.0E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.8E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	3.6E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.1E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	2.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.8E-09	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	8.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	4.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	1.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	7.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.3E-06					4.7
		Exposure Point Total									1.3E-06					4.7
	Exposure Medium Total										1.3E-06					4.7
Medium Total											5.4E-04					6.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-06	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	6.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	4.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	1.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-08	7.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.1E-07	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	1.20	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	7.00	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	5.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				NICKEL	12.4	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	35.0	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	91.8	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								3.4E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.0E-07	7.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.006
				AROCLOR-1260	0.160	mg/kg	3.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-09	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-08	9.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	1.20	mg/kg	1.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0005
				COBALT	7.00	mg/kg	9.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				MOLYBDENUM	63.0	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	12.4	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.4E-08	2.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								9.0E-07					0.02
		Exposure Point Total									4.3E-06					0.2
	Exposure Medium Total										4.3E-06					0.2

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	4.3E-6	mg/m^3	1.4E-08	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.5E-08	9.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	6.7E-8	mg/m^3	2.2E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.2E-10	1.5E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.1E-7	mg/m^3	3.6E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.1E-10	2.6E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	9.8E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.2E-6	mg/m^3	7.1E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.0E-08	4.9E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.03
				CADMIUM	8.4E-7	mg/m^3	2.7E-09	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	4.9E-09	1.9E-07	(mg/m^3)	1.0E-05	(mg/m^3)	0.02
				COBALT	4.9E-6	mg/m^3	1.6E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-07	1.1E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.2
				LEAD	4.1E-5	mg/m^3	1.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	6.1E-7	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	3.0E-05	(mg/m^3)	0.005
				MOLYBDENUM	4.4E-5	mg/m^3	1.4E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.0E-05	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	8.7E-6	mg/m^3	2.8E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.4E-09	2.0E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	2.4E-5	mg/m^3	8.0E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.4E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.4E-7	mg/m^3	2.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.9E-6	mg/m^3	6.2E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.2E-07	4.3E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.004
			Exp. Route Total								7.2E-07					0.3
		Exposure Point Total									7.2E-07					0.3
	Exposure Medium Total										7.2E-07					0.3
Medium Total											5.0E-06					0.5

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-07	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-09	8.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	18.7	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				VANADIUM	39.9	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	522	mg/kg	3.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	6.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.3E-08	4.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								3.8E-07					0.1
			Dermal	NAPHTHALENE	159	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.010
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.9E-09	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-08	2.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.3E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-10	2.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-08	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.3E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.7E-08	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								7.1E-08					0.02
		Exposure Point Total									4.6E-07					0.1
	Exposure Medium Total										4.6E-07					0.1
	Air	Block F	Inhalation	NAPHTHALENE	0.015	mg/m^3	5.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-06	3.5E-03	(mg/m^3)	3.0E-03	(mg/m^3)	1.2
				BENZO(A)PYRENE EQUIVALENTS	1.5E-7	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	5.5E-10	3.5E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.2E-8	mg/m^3	3.9E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-11	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.7E-6	mg/m^3	5.5E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-08	3.8E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.03
				COBALT	1.3E-5	mg/m^3	4.3E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.8E-07	3.0E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.5
				LEAD	7.3E-6	mg/m^3	2.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.9E-7	mg/m^3	6.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				VANADIUM	2.8E-5	mg/m^3	9.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	3.7E-4	mg/m^3	1.2E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.3E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-5	mg/m^3	4.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	6.9E-7	mg/m^3	2.2E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.9E-07	1.6E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								2.3E-06					1.7
		Exposure Point Total									2.3E-06					1.7
	Exposure Medium Total										2.3E-06					1.7
Medium Total											2.8E-06					1.8

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.8E-06	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-08	4.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	7.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0006
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				NICKEL	12.4	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	35.0	mg/kg	6.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.4E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								8.9E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	5.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-07	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	12.4	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.02
		Exposure Point Total									2.4E-05					0.05
	Exposure Medium Total										2.4E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	1.5E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.7E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.1E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.1E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	5.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.4E-05					0.05
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.8E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	6.3E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	18.7	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.7E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	39.9	mg/kg	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	522	mg/kg	9.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	8.6E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.0E-06					0.04
			Dermal	NAPHTHALENE	159	mg/kg	4.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.8E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.5E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.1E-08	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.5E-07	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.5E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.2E-06					0.01
		Exposure Point Total									2.2E-06					0.06
	Exposure Medium Total										2.2E-06					0.06

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	5.6E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.2E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								6.9E-06					0.2
		Exposure Point Total									6.9E-06					0.2
	Exposure Medium Total										6.9E-06					0.2
Medium Total											9.1E-06					0.2

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.8E-05	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-08	4.6E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	6.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-07	7.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	5.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.10	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-06	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	1.20	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	7.00	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	58.9	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				NICKEL	12.4	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	35.0	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	91.8	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.0E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.0E-04					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	9.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-08	1.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.160	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-08	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	9.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	1.20	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0005
				COBALT	7.00	mg/kg	6.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				MOLYBDENUM	63.0	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	12.4	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	35.0	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.8E-06	3.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								3.3E-05					0.03
		Exposure Point Total									1.4E-04					0.4
	Exposure Medium Total										1.4E-04					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	5.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	8.8E-14	1.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	2.6E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.5E-13	3.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	2.2E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	5.0E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.1E-11	5.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	3.7E-10	mg/m^3	1.9E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.5E-12	2.2E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000002
				COBALT	2.2E-9	mg/m^3	1.1E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.0E-10	1.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00002
				LEAD	1.8E-8	mg/m^3	9.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000005
				MOLYBDENUM	2.0E-8	mg/m^3	1.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	2.0E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	5.2E-12	2.3E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.1E-8	mg/m^3	5.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	2.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.9E-09	5.0E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000005
			Exp. Route Total								2.1E-09					0.00003
		Exposure Point Total									2.1E-09					0.00003
	Exposure Medium Total										2.1E-09					0.00003
Medium Total											1.4E-04					0.4
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	6.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.7E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	4.8E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.5E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.4E-08	8.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.5E-06	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	18.7	mg/kg	7.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	10.4	mg/kg	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				VANADIUM	39.9	mg/kg	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	522	mg/kg	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	8.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.2E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	1.1E-06	4.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.1E-06					0.4
			Dermal	NAPHTHALENE	159	mg/kg	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.1E-06	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.6E-09	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.0E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	18.7	mg/kg	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.6E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	3.9E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	5.1E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.0E-06	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-06					0.03
		Exposure Point Total									8.3E-06					0.4
	Exposure Medium Total										8.3E-06					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	1.3E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.4E-07	1.5E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.05
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-12	4.1E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.7E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.5E-14	3.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	3.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.7E-11	4.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				COBALT	5.8E-9	mg/m^3	3.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-10	3.5E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00006
				LEAD	3.2E-9	mg/m^3	1.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	4.3E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	1.2E-8	mg/m^3	6.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	8.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	3.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	8.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.0E-10	1.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								4.4E-07					0.05
		Exposure Point Total									4.4E-07					0.05
	Exposure Medium Total										4.4E-07					0.05
Medium Total											8.8E-06					0.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-05	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	2.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.0E-08	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	4.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.2E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	1.20	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	58.9	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	9.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				NICKEL	12.4	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.6E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								2.0E-05					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.6E-08	1.0E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	3.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-08	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0004
				COBALT	7.00	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				NICKEL	12.4	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	9.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-06	2.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								2.3E-05					0.02
		Exposure Point Total									4.3E-05					0.08
	Exposure Medium Total										4.3E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	5.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	3.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-13	1.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	5.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.9E-13	3.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	9.9E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	4.3E-11	5.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	3.7E-10	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.9E-12	2.2E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000002
				COBALT	2.2E-9	mg/m^3	2.2E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.0E-10	1.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00002
				LEAD	1.8E-8	mg/m^3	1.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000005
				MOLYBDENUM	2.0E-8	mg/m^3	2.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	4.0E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.0E-11	2.3E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	2.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.9E-09	5.0E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000005
			Exp. Route Total								2.3E-09					0.00003
		Exposure Point Total									2.3E-09					0.00003
	Exposure Medium Total										2.3E-09					0.00003
Medium Total											4.3E-05					0.08
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.5E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.1E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.6E-07	2.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.3E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	3.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.6E-07	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				COBALT	18.7	mg/kg	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	10.4	mg/kg	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.2E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	522	mg/kg	8.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	4.1E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	2.0E-07	8.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.08
			Dermal	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	7.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.2E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	6.4E-09	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.6E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	5.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	3.5E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	7.0E-07	7.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.02
		Exposure Point Total									3.0E-06					0.10
	Exposure Medium Total										3.0E-06					0.10

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.6E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.7E-07	1.5E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.05
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-12	4.1E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	5.4E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-14	3.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	7.7E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-11	4.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				COBALT	5.8E-9	mg/m^3	6.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-10	3.5E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00006
				LEAD	3.2E-9	mg/m^3	3.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	8.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	1.2E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	6.8E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	8.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.0E-10	1.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								8.7E-07					0.05
		Exposure Point Total									8.7E-07					0.05
	Exposure Medium Total										8.7E-07					0.05
Medium Total											3.9E-06					0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.8E-06	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-08	4.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	7.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0006
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				NICKEL	12.4	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	35.0	mg/kg	6.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.4E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								8.9E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	5.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-07	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	12.4	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.02
		Exposure Point Total									2.4E-05					0.05
	Exposure Medium Total										2.4E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	1.5E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.7E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.1E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.1E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	5.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.4E-05					0.05
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.8E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	6.3E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	18.7	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.7E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	39.9	mg/kg	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	522	mg/kg	9.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	8.6E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.0E-06					0.04
			Dermal	NAPHTHALENE	159	mg/kg	4.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.8E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.5E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.1E-08	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.5E-07	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.5E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.2E-06					0.01
		Exposure Point Total									2.2E-06					0.06
	Exposure Medium Total										2.2E-06					0.06

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	5.6E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.2E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								6.9E-06					0.2
		Exposure Point Total									6.9E-06					0.2
	Exposure Medium Total										6.9E-06					0.2
Medium Total											9.1E-06					0.2

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	7.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	8.8E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.04
				AROCLOR-1260	0.160	mg/kg	1.3E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-07	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.03
				ARSENIC	3.10	mg/kg	2.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-06	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				CADMIUM	1.20	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	7.00	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	58.9	mg/kg	4.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	6.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				MOLYBDENUM	63.0	mg/kg	4.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				NICKEL	12.4	mg/kg	9.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.006
				VANADIUM	35.0	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	91.8	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.1E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.6E-06	2.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.008
			Exp. Route Total								2.0E-04					0.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	9.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.8E-05	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.9E-08	3.4E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	4.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.8E-08	5.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.006
				ARSENIC	3.10	mg/kg	2.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.1E-07	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	1.20	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				NICKEL	12.4	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				VANADIUM	35.0	mg/kg	7.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.2E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.3E-06	6.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.009
			Exp. Route Total								7.4E-05					0.07
		Exposure Point Total									2.7E-04					0.7
	Exposure Medium Total										2.7E-04					0.7

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.2E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	5.8E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.3E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	9.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.5E-13	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	8.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.1E-11	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	7.3E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.3E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	4.2E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.8E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	3.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	5.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	3.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	7.5E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.0E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	8.7E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.3E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.7E-04					0.7

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.07
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.7E-06	2.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	18.7	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.6
				LEAD	10.4	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				VANADIUM	39.9	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	522	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	4.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.0E-06	8.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								1.2E-05					0.8
			Dermal	NAPHTHALENE	159	mg/kg	4.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.03
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	6.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	18.7	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	5.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				VANADIUM	39.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-06	2.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								5.0E-06					0.06
		Exposure Point Total									1.7E-05					0.9
	Exposure Medium Total										1.7E-05					0.9
	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.9E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	7.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.8E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	1.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.9E-14	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	6.3E-11	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	6.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	2.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	3.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								1.7E-06					0.2
		Exposure Point Total									1.7E-06					0.2
	Exposure Medium Total										1.7E-06					0.2
Medium Total											1.8E-05					1.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.5E-05	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	1.6E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.160	mg/kg	4.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-08	2.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.10	mg/kg	9.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	1.20	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	58.9	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				MOLYBDENUM	63.0	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				NICKEL	12.4	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	91.8	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	2.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-06	4.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								3.7E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-08	7.0E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.160	mg/kg	2.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.10	mg/kg	8.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-07	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	7.00	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				NICKEL	12.4	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.4E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.01
		Exposure Point Total									5.3E-05					0.1
	Exposure Medium Total										5.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	2.2E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	6.6E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	1.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.1E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.6E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	2.6E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	8.5E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	7.6E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	7.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	7.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	1.5E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	3.9E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	8.7E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	7.3E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.5E-09					0.0001
		Exposure Point Total									8.5E-09					0.0001
	Exposure Medium Total										8.5E-09					0.0001
Medium Total											5.3E-05					0.1
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	4.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.7E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.7E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.3E-06	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.0E-08	2.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	7.0E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.1E-06	4.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	18.7	mg/kg	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	10.4	mg/kg	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	7.9E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	39.9	mg/kg	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	522	mg/kg	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	7.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.8E-07	1.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								2.7E-06					0.1
			Dermal	NAPHTHALENE	159	mg/kg	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.9E-07	1.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.2E-09	1.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	6.4E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	9.6E-08	3.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	18.7	mg/kg	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.4E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	39.9	mg/kg	3.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.6E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								1.1E-06					0.01
		Exposure Point Total									3.8E-06					0.2
	Exposure Medium Total										3.8E-06					0.2

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	9.7E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.3E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	7.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.8E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.2E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	2.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	3.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	4.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	3.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								3.3E-06					0.2
		Exposure Point Total									3.3E-06					0.2
	Exposure Medium Total										3.3E-06					0.2
Medium Total											7.1E-06					0.4

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-06	6.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.2E-08	9.4E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	2.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.4E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.8E-07	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	58.9	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				NICKEL	12.4	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	5.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								8.6E-06					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	5.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	9.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-08	5.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.160	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-08	8.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	9.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.10	mg/kg	6.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-08	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	1.20	mg/kg	8.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	7.00	mg/kg	4.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				NICKEL	12.4	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.8E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-07	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								4.4E-06					0.01
		Exposure Point Total									1.3E-05					0.08
	Exposure Medium Total										1.3E-05					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	7.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.1E-11	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.2E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.6E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	1.9E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.1E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	2.6E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	8.5E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.6E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	7.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	7.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	1.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.9E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								3.8E-09					0.0001
		Exposure Point Total									3.8E-09					0.0001
	Exposure Medium Total										3.8E-09					0.0001
Medium Total											1.3E-05					0.08
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.7E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.7E-09	1.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.0E-07	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	18.7	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	10.4	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	39.9	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	522	mg/kg	8.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	8.2E-08	9.6E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								9.6E-07					0.09
			Dermal	NAPHTHALENE	159	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.9E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.2E-09	9.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.2E-08	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				COBALT	18.7	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	39.9	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	6.6E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-07	3.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								3.5E-07					0.009
		Exposure Point Total									1.3E-06					0.09
	Exposure Medium Total										1.3E-06					0.09

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	9.7E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.3E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	2.7E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.9E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.2E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	2.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	3.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	4.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								3.3E-06					0.2
		Exposure Point Total									3.3E-06					0.2
	Exposure Medium Total										3.3E-06					0.2
Medium Total											4.6E-06					0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	3.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-04	7.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.2E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.06
				AROCLOR-1260	0.160	mg/kg	1.8E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.04
				ARSENIC	3.10	mg/kg	3.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.1E-06	4.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	1.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	7.00	mg/kg	7.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	58.9	mg/kg	6.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				MOLYBDENUM	63.0	mg/kg	6.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.2
				NICKEL	12.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				VANADIUM	35.0	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.09
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.6E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.9E-06	3.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
			Exp. Route Total								2.7E-04					0.9
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.5E-05	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	4.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.2E-08	4.8E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	6.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-07	8.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.008
				ARSENIC	3.10	mg/kg	2.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.3E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	3.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				NICKEL	12.4	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.006
				VANADIUM	35.0	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.8E-06	9.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.01
			Exp. Route Total								1.0E-04					0.09
		Exposure Point Total									3.8E-04					1.0
	Exposure Medium Total										3.8E-04					1.0

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	8.3E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.1E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.9E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	3.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.2E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.2E-11	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	8.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.7E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.1E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								3.4E-08					0.0005
		Exposure Point Total									3.4E-08					0.0005
	Exposure Medium Total										3.4E-08					0.0005
Medium Total											3.8E-04					1.0
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.7E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.1
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.3E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	9.4E-06	2.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.9E-08	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	3.7E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	2.6E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.9E-06	3.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	18.7	mg/kg	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.4E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.8
				LEAD	10.4	mg/kg	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.0E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				VANADIUM	39.9	mg/kg	4.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	522	mg/kg	5.7E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	2.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	5.7E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	2.9E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.6E-05					1.1
			Dermal	NAPHTHALENE	159	mg/kg	6.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	4.7E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.4E-06	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.5E-08	8.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	2.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.3E-07	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	18.7	mg/kg	5.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				VANADIUM	39.9	mg/kg	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.6E-07	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.2E-06	3.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								7.0E-06					0.08
		Exposure Point Total									2.3E-05					1.2
	Exposure Medium Total										2.3E-05					1.2

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	3.0E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	4.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.3E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-08	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								7.0E-06					0.8
		Exposure Point Total									7.0E-06					0.8
	Exposure Medium Total										7.0E-06					0.8
Medium Total											3.0E-05					2.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	6.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.9E-05	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-08	2.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.01
				AROCLOR-1260	0.160	mg/kg	6.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-07	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	5.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.008
				ARSENIC	3.10	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	1.20	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	7.00	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	58.9	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				MOLYBDENUM	63.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				NICKEL	12.4	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	91.8	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-06	6.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								5.2E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-08	9.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.7E-07	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	7.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				NICKEL	12.4	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	8.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.8E-06	2.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								2.1E-05					0.02
		Exposure Point Total									7.4E-05					0.2
	Exposure Medium Total										7.4E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	8.3E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.1E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	4.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.8E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	8.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.6E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.6E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	6.8E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.1E-10	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	3.6E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.2E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	3.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	3.2E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	6.3E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.6E-10	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	4.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.7E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.1E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								3.6E-08					0.0005
		Exposure Point Total									3.6E-08					0.0005
	Exposure Medium Total										3.6E-08					0.0005
Medium Total											7.4E-05					0.2
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	6.5E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.02
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	2.4E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.8E-06	5.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.4E-08	4.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.5E-06	5.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	18.7	mg/kg	7.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	10.4	mg/kg	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	39.9	mg/kg	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	522	mg/kg	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	8.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	5.4E-07	2.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								3.8E-06					0.2
			Dermal	NAPHTHALENE	159	mg/kg	2.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.5E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.9E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	1.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	8.9E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.3E-07	5.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.4E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	39.9	mg/kg	5.0E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	6.5E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								1.5E-06					0.02
		Exposure Point Total									5.3E-06					0.2
	Exposure Medium Total										5.3E-06					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.1E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.4E-05	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	3.0E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	8.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.3E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	9.5E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.6E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	5.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.3E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-08	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.4E-05					0.8
		Exposure Point Total									1.4E-05					0.8
	Exposure Medium Total										1.4E-05					0.8
Medium Total											1.9E-05					1.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	8.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.007
				AROCLOR-1260	0.160	mg/kg	3.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.5E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.005
				ARSENIC	3.10	mg/kg	7.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	58.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	63.0	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				NICKEL	12.4	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	8.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.010
				DIESEL RANGE ORGANICS	91.8	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.2E-07	3.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.2E-05					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	7.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.4E-06	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-08	7.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	2.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.10	mg/kg	8.7E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-07	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	6.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	8.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				NICKEL	12.4	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								6.1E-06					0.01
		Exposure Point Total									1.8E-05					0.1
	Exposure Medium Total										1.8E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	3.1E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.4E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	4.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.8E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	8.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.6E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.6E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	6.8E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.1E-10	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	3.6E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.2E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	3.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	3.2E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	6.3E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.6E-10	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	4.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.2E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								1.6E-08					0.0005
		Exposure Point Total									1.6E-08					0.0005
	Exposure Medium Total										1.6E-08					0.0005
Medium Total											1.8E-05					0.1
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	5.2E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.8E-07	3.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	4.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	8.0E-09	2.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	8.5E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	18.7	mg/kg	4.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				LEAD	10.4	mg/kg	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.3E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	9.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	522	mg/kg	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	5.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	1.2E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.3E-06					0.1
			Dermal	NAPHTHALENE	159	mg/kg	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.006
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	2.7E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.0E-07	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.5E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	6.7E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.0E-07	3.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	18.7	mg/kg	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.5E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	39.9	mg/kg	3.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	9.2E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.8E-07	5.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								4.8E-07					0.01
		Exposure Point Total									1.8E-06					0.1
	Exposure Medium Total										1.8E-06					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.1E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.4E-05	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	8.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.3E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	9.5E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.6E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	5.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	5.0E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.2E-09	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.4E-05					0.8
		Exposure Point Total									1.4E-05					0.8
	Exposure Medium Total										1.4E-05					0.8
Medium Total											1.6E-05					0.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	8.1E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-09	5.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-08	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	7.90	mg/kg	5.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.0E-07	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	14.0	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.07
				COBALT	41.2	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.06
				LEAD	68.3	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				VANADIUM	31.5	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	77.4	mg/kg	5.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	8.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.4E-08	6.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.7E-06					0.4
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-07	4.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.3E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-10	1.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0008
				AROCLOR-1260	0.260	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	3.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	7.90	mg/kg	3.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-08	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	14.0	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.005
				COBALT	41.2	mg/kg	5.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.008
				NICKEL	161	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.8E-07					0.05
		Exposure Point Total									3.3E-06					0.4
	Exposure Medium Total										3.3E-06					0.4

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	2.6E-6	mg/m^3	8.4E-09	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.3E-09	5.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	8.4E-9	mg/m^3	2.7E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-11	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.8E-7	mg/m^3	5.9E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.4E-10	4.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.2E-6	mg/m^3	3.9E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	5.5E-6	mg/m^3	1.8E-08	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	7.7E-08	1.3E-06	(mg/m^3)	1.5E-05	(mg/m^3)	0.08
				CADMIUM	9.8E-6	mg/m^3	3.2E-08	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.7E-08	2.2E-06	(mg/m^3)	1.0E-05	(mg/m^3)	0.2
				COBALT	2.9E-5	mg/m^3	9.4E-08	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	8.5E-07	6.6E-06	(mg/m^3)	6.0E-06	(mg/m^3)	1.1
				LEAD	4.8E-5	mg/m^3	1.6E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.3E-6	mg/m^3	4.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.9E-07	(mg/m^3)	3.0E-05	(mg/m^3)	0.010
				NICKEL	1.1E-4	mg/m^3	3.7E-07	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	9.5E-08	2.6E-05	(mg/m^3)	9.0E-05	(mg/m^3)	0.3
				VANADIUM	2.2E-5	mg/m^3	7.2E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	5.4E-5	mg/m^3	1.8E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	9.2E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	2.5E-07	2.1E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								1.3E-06					1.7
		Exposure Point Total									1.3E-06					1.7
	Exposure Medium Total										1.3E-06					1.7
Medium Total											4.6E-06					2.1
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	4.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	8.7E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.4E-07	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	9.4E-10	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.9E-09	6.6E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.6E-07	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	31.0	mg/kg	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	8.40	mg/kg	5.6E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	8.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.8E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.014	mg/kg	9.4E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.6E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	8.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-08	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.7E-08	5.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.0E-06					0.2
			Dermal	NAPHTHALENE	0.063	mg/kg	1.1E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.3E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.7E-07	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.7E-10	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.4E-10	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	4.3E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0010
				IRON	17,200	mg/kg	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.014	mg/kg	1.9E-11	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00006
				VANADIUM	46.3	mg/kg	6.4E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.5E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.0E-08	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-07					0.009
		Exposure Point Total									1.3E-06					0.3
	Exposure Medium Total										1.3E-06					0.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	6.1E-6	mg/m^3	2.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.8E-10	1.4E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0005
				BENZO(A)PYRENE EQUIVALENTS	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-09	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	9.8E-9	mg/m^3	3.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.8E-11	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.5E-08	5.7E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				COBALT	2.2E-5	mg/m^3	7.1E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	6.4E-07	4.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.8
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	5.9E-6	mg/m^3	1.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	8.6E-5	mg/m^3	2.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.4
				MERCURY	9.8E-9	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	3.0E-05	(mg/m^3)	0.00007
				VANADIUM	3.2E-5	mg/m^3	1.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.5E-5	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-06	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	9.2E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	7.7E-7	mg/m^3	2.5E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-07	1.8E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								8.9E-07					1.3
		Exposure Point Total									8.9E-07					1.3
	Exposure Medium Total										8.9E-07					1.3
Medium Total											2.1E-06					1.5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	5.9E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-06	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	14.0	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.007
				COBALT	41.2	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	68.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	31.5	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								7.0E-06					0.10
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.1E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	8.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	5.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.2E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	14.0	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-06					0.04
		Exposure Point Total									1.7E-05					0.1
	Exposure Medium Total										1.7E-05					0.1

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	9.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.0E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-13	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.7E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.6E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.4E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.4E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.1E-09	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.5E-08					0.0008
		Exposure Point Total									1.5E-08					0.0008
	Exposure Medium Total										1.5E-08					0.0008
Medium Total											1.7E-05					0.1

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-06	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-09	6.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	31.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	8.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.014	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-09	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00002
				VANADIUM	46.3	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.7E-06					0.07
			Dermal	NAPHTHALENE	0.063	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	3.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	7.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	3.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.7E-06					0.01
		Exposure Point Total									6.4E-06					0.09
	Exposure Medium Total										6.4E-06					0.09

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.7E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	7.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.0E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								1.3E-08					0.0006
		Exposure Point Total									1.3E-08					0.0006
	Exposure Medium Total										1.3E-08					0.0006
Medium Total											6.5E-06					0.09

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	8.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.0E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.9E-09	5.8E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	7.90	mg/kg	3.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-06	3.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	14.0	mg/kg	5.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.07
				COBALT	41.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.7
				LEAD	68.3	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	6.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				VANADIUM	31.5	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	77.4	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.6E-05					1.0
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-05	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-09	1.9E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0010
				AROCLOR-1260	0.260	mg/kg	3.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.1E-08	4.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	7.90	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	14.0	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.006
				COBALT	41.2	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.010
				NICKEL	161	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	6.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.0E-05					0.07
		Exposure Point Total									8.6E-05					1.1
	Exposure Medium Total										8.6E-05					1.1

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.5E-11	6.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.9E-14	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.1E-14	2.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	4.2E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.4E-13	4.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	1.3E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	5.4E-11	1.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000010
				CADMIUM	4.3E-9	mg/m^3	2.2E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	4.0E-11	2.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00003
				COBALT	1.3E-8	mg/m^3	6.6E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	5.9E-10	7.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				NICKEL	5.0E-8	mg/m^3	2.6E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	6.7E-11	3.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00003
				VANADIUM	9.8E-9	mg/m^3	5.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	1.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.7E-09					0.0002
		Exposure Point Total									1.7E-09					0.0002
	Exposure Medium Total										1.7E-09					0.0002
Medium Total											8.6E-05					1.1

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	5.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	6.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	31.0	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	8.40	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	5.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.014	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	21.7	mg/kg	9.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-06	5.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.4E-05					0.7
			Dermal	NAPHTHALENE	0.063	mg/kg	8.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	8.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-09	2.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	31.0	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,200	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00010
				MERCURY	0.014	mg/kg	1.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	46.3	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								7.7E-06					0.02
		Exposure Point Total									3.2E-05					0.7
	Exposure Medium Total										3.2E-05					0.7

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	5.1E-09	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-10	5.9E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	2.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	2.2E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.3E-14	2.6E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.5E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	9.6E-9	mg/m^3	5.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.5E-10	5.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00010
				IRON	5.3E-6	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	2.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00005
				MERCURY	4.3E-12	mg/m^3	2.2E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-13	(mg/m^3)	3.0E-05	(mg/m^3)	8.70831E-09
				VANADIUM	1.4E-8	mg/m^3	7.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	3.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.4E-09					0.0002
		Exposure Point Total									1.4E-09					0.0002
	Exposure Medium Total										1.4E-09					0.0002
Medium Total											3.2E-05					0.7

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-08	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	7.90	mg/kg	1.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-06	7.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	14.0	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	68.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				NICKEL	161	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	31.5	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.3E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-09	1.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0007
				AROCLOR-1260	0.260	mg/kg	4.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.7E-08	2.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	1.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	14.0	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.007
				NICKEL	161	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.4E-05					0.05
		Exposure Point Total									2.7E-05					0.2
	Exposure Medium Total										2.7E-05					0.2

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.5E-11	6.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.8E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-14	2.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	8.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.7E-13	4.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	5.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000010
				CADMIUM	4.3E-9	mg/m^3	4.5E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.1E-11	2.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00003
				COBALT	1.3E-8	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.2E-09	7.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-8	mg/m^3	2.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				NICKEL	5.0E-8	mg/m^3	5.2E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.3E-10	3.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00003
				VANADIUM	9.8E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.5E-09					0.0002
		Exposure Point Total									2.5E-09					0.0002
	Exposure Medium Total										2.5E-09					0.0002
Medium Total											2.7E-05					0.2
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	9.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.3E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	17,200	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	8.40	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0008
				MERCURY	0.014	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	9.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								5.0E-06					0.1
			Dermal	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	6.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.4E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.2E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				IRON	17,200	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.014	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.9E-07	8.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.4E-06					0.01
		Exposure Point Total									1.0E-05					0.2
	Exposure Medium Total										1.0E-05					0.2

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-10	5.9E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	2.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	4.5E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.6E-14	2.6E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	9.6E-9	mg/m^3	9.9E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.9E-10	5.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00010
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00005
				MERCURY	4.3E-12	mg/m^3	4.5E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-13	(mg/m^3)	3.0E-05	(mg/m^3)	8.70831E-09
				VANADIUM	1.4E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	6.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.1E-09					0.0002
		Exposure Point Total									2.1E-09					0.0002
	Exposure Medium Total										2.1E-09					0.0002
Medium Total											1.0E-05					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALE	3.70	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	5.9E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-06	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	14.0	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.007
				COBALT	41.2	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	68.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	31.5	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								7.0E-06					0.10
			Dermal	BENZO(A)PYRENE EQUIVALE	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.1E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	8.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	5.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.2E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	14.0	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-06					0.04
		Exposure Point Total									1.7E-05					0.1
	Exposure Medium Total										1.7E-05					0.1

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALE	1.1E-9	mg/m^3	9.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.0E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-13	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.7E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.6E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.4E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.4E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.1E-09	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.5E-08					0.0008
		Exposure Point Total									1.5E-08					0.0008
	Exposure Medium Total										1.5E-08					0.0008
Medium Total											1.7E-05					0.1

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALE	1.30	mg/kg	2.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-06	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-09	6.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	31.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	8.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.014	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-09	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00002
				VANADIUM	46.3	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.7E-06					0.07
			Dermal	NAPHTHALENE	0.063	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALE	1.30	mg/kg	3.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	7.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	3.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.7E-06					0.01
		Exposure Point Total									6.4E-06					0.09
	Exposure Medium Total										6.4E-06					0.09

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.7E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALE	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	7.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.0E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								1.3E-08					0.0006
		Exposure Point Total									1.3E-08					0.0006
	Exposure Medium Total										1.3E-08					0.0006
Medium Total											6.5E-06					0.09

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-04	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	9.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-08	1.1E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.260	mg/kg	2.0E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.1E-07	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.04
				ARSENIC	7.90	mg/kg	6.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-06	7.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				CADMIUM	14.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.1
				COBALT	41.2	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.3
				LEAD	68.3	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				NICKEL	161	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.07
				VANADIUM	31.5	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	77.4	mg/kg	6.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-06	1.2E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.3E-04					1.9
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	5.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.1E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.4E-09	4.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.260	mg/kg	8.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-07	9.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.007
				ARSENIC	7.90	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.8E-07	6.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	14.0	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	9.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.02
				NICKEL	161	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				VANADIUM	31.5	mg/kg	6.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.5E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-06	3.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								4.5E-05					0.2
		Exposure Point Total									1.7E-04					2.0
	Exposure Medium Total										1.7E-04					2.0

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.3E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	7.3E-14	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.1E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.6E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	9.0E-13	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	8.5E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.5E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	2.5E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.2E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	4.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	9.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	2.5E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	1.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	4.7E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	7.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								6.5E-09					0.0008
		Exposure Point Total									6.5E-09					0.0008
	Exposure Medium Total										6.5E-09					0.0008
Medium Total											1.7E-04					2.0
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	4.9E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.8E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.4E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.0E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.1E-08	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	2.2E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.8E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	4.2E-06	3.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	31.0	mg/kg	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.8E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.9
				IRON	17,200	mg/kg	1.3E-02	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	8.40	mg/kg	6.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	9.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.008
				MERCURY	0.014	mg/kg	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	46.3	mg/kg	3.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	21.7	mg/kg	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.6E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	2.3E-06	1.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								4.6E-05					1.4
			Dermal	NAPHTHALENE	0.063	mg/kg	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.0E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.4E-05	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	8.6E-09	5.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.6E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	31.0	mg/kg	6.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,200	mg/kg	3.8E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.014	mg/kg	3.1E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.3E-07	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	2.6E-06	2.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.7E-05					0.05
		Exposure Point Total									6.4E-05					1.4
	Exposure Medium Total										6.4E-05					1.4

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.9E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-10	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	8.5E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.8E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	2.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	9.4E-11	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	1.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.7E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	7.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	8.5E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	7.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.5E-09					0.0006
		Exposure Point Total									5.5E-09					0.0006
	Exposure Medium Total										5.5E-09					0.0006
Medium Total											6.4E-05					1.4

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	2.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.001
				AROCLOR-1260	0.260	mg/kg	7.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	4.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.007
				ARSENIC	7.90	mg/kg	2.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-06	1.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	14.0	mg/kg	4.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	68.3	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				NICKEL	161	mg/kg	4.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	9.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	77.4	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.1E-07	2.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								2.5E-05					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-09	8.7E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0004
				AROCLOR-1260	0.260	mg/kg	3.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-08	1.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	7.90	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	14.0	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	41.2	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				NICKEL	161	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								9.3E-06					0.03
		Exposure Point Total									3.5E-05					0.4
	Exposure Medium Total										3.5E-05					0.4

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.3E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	8.3E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	3.2E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.8E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	9.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	3.1E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	5.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.5E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	8.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	2.0E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	5.1E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	3.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	9.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								9.4E-09					0.0008
		Exposure Point Total									9.4E-09					0.0008
	Exposure Medium Total										9.4E-09					0.0008
Medium Total											3.5E-05					0.4

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.4E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.2E-09	2.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	31.0	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	8.40	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	3.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.014	mg/kg	4.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00008
				VANADIUM	46.3	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	8.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								9.5E-06					0.3
			Dermal	NAPHTHALENE	0.063	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	4.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-06	8.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-09	1.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				IRON	17,200	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.014	mg/kg	1.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00003
				VANADIUM	46.3	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.2E-07	5.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								3.6E-06					0.010
		Exposure Point Total									1.3E-05					0.3
	Exposure Medium Total										1.3E-05					0.3

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	3.9E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.7E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	3.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.4E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								7.9E-09					0.0006
		Exposure Point Total									7.9E-09					0.0006
	Exposure Medium Total										7.9E-09					0.0006
Medium Total											1.3E-05					0.3

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.5E-06	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-09	1.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0006
				AROCLOR-1260	0.260	mg/kg	4.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.7E-08	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	7.90	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-06	7.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	14.0	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	6.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	68.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				VANADIUM	31.5	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								6.7E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	3.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-09	6.6E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	2.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-08	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	7.90	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	9.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	14.0	mg/kg	9.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.002
				COBALT	41.2	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.008
				VANADIUM	31.5	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.7E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.8E-06					0.02
		Exposure Point Total									9.5E-06					0.2
	Exposure Medium Total										9.5E-06					0.2

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	4.5E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	4.9E-11	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	8.3E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	3.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	9.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	4.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.1E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	5.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.5E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	8.3E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	2.0E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	5.1E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	3.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	9.4E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.3E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								7.1E-09					0.0008
		Exposure Point Total									7.1E-09					0.0008
	Exposure Medium Total										7.1E-09					0.0008
Medium Total											9.5E-06					0.2
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.2E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.6E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.7E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.0E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	9.1E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	5.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,200	mg/kg	2.9E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	8.40	mg/kg	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.014	mg/kg	2.3E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	7.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	9.2E-08	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								2.6E-06					0.1
			Dermal	NAPHTHALENE	0.063	mg/kg	5.5E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	8.3E-07	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	2.6E-09	7.7E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	7.2E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.1E-07	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	31.0	mg/kg	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	17,200	mg/kg	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	8.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.014	mg/kg	9.4E-11	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.5E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00003
				VANADIUM	46.3	mg/kg	3.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.5E-07	4.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								1.1E-06					0.007
		Exposure Point Total									3.7E-06					0.2
	Exposure Medium Total										3.7E-06					0.2

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	3.9E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.7E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.7E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	3.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.4E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								6.0E-09					0.0006
		Exposure Point Total									6.0E-09					0.0006
	Exposure Medium Total										6.0E-09					0.0006
Medium Total											3.7E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.2E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-04	4.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-08	1.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.260	mg/kg	2.8E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.7E-07	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.05
				ARSENIC	7.90	mg/kg	8.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				CADMIUM	14.0	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.2
				COBALT	41.2	mg/kg	4.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.8
				LEAD	68.3	mg/kg	7.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.08
				NICKEL	161	mg/kg	1.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.1
				VANADIUM	31.5	mg/kg	3.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	77.4	mg/kg	8.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	7.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.7E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								1.8E-04					2.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	7.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.7E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	5.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	6.0E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	5.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.01
				ARSENIC	7.90	mg/kg	7.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	14.0	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.07
				VANADIUM	31.5	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.3E-06	4.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								6.3E-05					0.2
		Exposure Point Total									2.4E-04					2.8
	Exposure Medium Total										2.4E-04					2.8

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.5E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.7E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.8E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	8.6E-10	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	3.6E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.4E-10	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	9.4E-09	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								2.7E-08					0.003
		Exposure Point Total									2.7E-08					0.003
	Exposure Medium Total										2.7E-08					0.003
Medium Total											2.4E-04					2.8
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	6.9E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	7.6E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	5.5E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	3.1E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	3.9E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.9E-06	4.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	31.0	mg/kg	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.3
				IRON	17,200	mg/kg	1.9E-02	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	8.40	mg/kg	9.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.01
				MERCURY	0.014	mg/kg	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				VANADIUM	46.3	mg/kg	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	21.7	mg/kg	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	6.4E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.2E-06	1.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								6.5E-05					1.9
			Dermal	NAPHTHALENE	0.063	mg/kg	2.5E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.0E-05	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	6.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.2E-08	7.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	3.3E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.0E-07	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	9.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	17,200	mg/kg	5.3E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.014	mg/kg	4.3E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.6E-06	3.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								2.4E-05					0.07
		Exposure Point Total									8.9E-05					2.0
	Exposure Medium Total										8.9E-05					2.0

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.1E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.8E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.9E-10	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.6E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	7.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.1E-09	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	3.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								2.3E-08					0.003
		Exposure Point Total									2.3E-08					0.003
	Exposure Medium Total										2.3E-08					0.003
Medium Total											8.9E-05					2.0

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	4.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	8.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	4.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.9E-09	2.9E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.001
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	6.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	7.90	mg/kg	3.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-06	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	14.0	mg/kg	5.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.03
				COBALT	41.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	68.3	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				NICKEL	161	mg/kg	6.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	77.4	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.1E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								3.5E-05					0.5
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	1.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0006
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	2.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.4E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	14.0	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.6E-07	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.3E-05					0.04
		Exposure Point Total									4.8E-05					0.5
	Exposure Medium Total										4.8E-05					0.5

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.5E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	6.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.5E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.3E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	7.5E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.0E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.7E-09	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	7.1E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.3E-09	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.9E-08	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	3.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	8.2E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	2.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	3.9E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.9E-08					0.003
		Exposure Point Total									3.9E-08					0.003
	Exposure Medium Total										3.9E-08					0.003
Medium Total											4.8E-05					0.5
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	2.6E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000008
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.0E-05	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	5.8E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.2E-08	3.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.2E-06	8.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	31.0	mg/kg	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	8.40	mg/kg	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.014	mg/kg	5.8E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	46.3	mg/kg	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	8.9E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.2E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	6.0E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								1.3E-05					0.4
			Dermal	NAPHTHALENE	0.063	mg/kg	1.0E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.6E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.1E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.9E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.0E-07	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	3.9E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	1.7E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	5.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.6E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	7.3E-07	8.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.0E-06					0.01
		Exposure Point Total									1.8E-05					0.4
	Exposure Medium Total										1.8E-05					0.4

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.6E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.5E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.9E-10	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.1E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	1.6E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-08	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								3.3E-08					0.003
		Exposure Point Total									3.3E-08					0.003
	Exposure Medium Total										3.3E-08					0.003
Medium Total											1.8E-05					0.4

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	8.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.3E-06	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-09	1.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0008
				AROCLOR-1260	0.260	mg/kg	6.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-07	3.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	7.90	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				CADMIUM	14.0	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	9.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	68.3	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				NICKEL	161	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								9.4E-06					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-09	9.2E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	3.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.8E-08	2.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	2.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.3E-07	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	14.0	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	41.2	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				NICKEL	161	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.9E-06					0.03
		Exposure Point Total									1.3E-05					0.3
	Exposure Medium Total										1.3E-05					0.3

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.9E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	6.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.3E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.7E-09	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	7.1E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.3E-09	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-08	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	3.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	8.2E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	3.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.0E-08					0.003
		Exposure Point Total									3.0E-08					0.003
	Exposure Medium Total										3.0E-08					0.003
Medium Total											1.3E-05					0.3
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	3.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	3.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.6E-09	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	8.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	31.0	mg/kg	7.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,200	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	8.40	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.014	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00006
				VANADIUM	46.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	21.7	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.3E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								3.6E-06					0.2
			Dermal	NAPHTHALENE	0.063	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-06	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				IRON	17,200	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.014	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.1E-07	6.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.5E-06					0.01
		Exposure Point Total									5.1E-06					0.2
	Exposure Medium Total										5.1E-06					0.2

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.6E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.5E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.3E-11	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.1E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	1.6E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-08	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	5.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.7E-09	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								2.5E-08					0.003
		Exposure Point Total									2.5E-08					0.003
	Exposure Medium Total										2.5E-08					0.003
Medium Total											5.2E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	7.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-06	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.010
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	0.200	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0009
				COBALT	9.30	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
				LEAD	6.80	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	242	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.7E-08	5.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.2E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	1.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.8E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00008
				COBALT	9.30	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	6.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.5E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-08	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.009
		Exposure Point Total									7.8E-06					0.1
	Exposure Medium Total										7.8E-06					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	8.3E-6	mg/m^3	2.7E-08	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.0E-08	1.9E-06	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.7E-7	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-6	mg/m^3	8.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.4E-08	5.6E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				CADMIUM	1.4E-7	mg/m^3	4.6E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.2E-10	3.2E-08	(mg/m^3)	1.0E-05	(mg/m^3)	0.003
				COBALT	6.5E-6	mg/m^3	2.1E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-07	1.5E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.2
				LEAD	4.8E-6	mg/m^3	1.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.3E-7	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				MOLYBDENUM	3.1E-7	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	7.6E-6	mg/m^3	2.5E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	6.5E-09	1.7E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	1.9E-5	mg/m^3	6.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-4	mg/m^3	5.5E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.4E-6	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-06	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	7.7E-7	mg/m^3	2.5E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-07	1.8E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								4.7E-07					0.3
		Exposure Point Total									4.7E-07					0.3
	Exposure Medium Total										4.7E-07					0.3
Medium Total											8.2E-06					0.4

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	12.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	4.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	130	mg/kg	8.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	6.0E-08	8.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								5.5E-07					0.10
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.5E-09	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-08	3.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000009
				ARSENIC	3.60	mg/kg	1.5E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.3E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	5.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.5E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.0E-08	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.0E-07					0.007
		Exposure Point Total									6.5E-07					0.1
	Exposure Medium Total										6.5E-07					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.3E-10	4.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.5E-5	mg/m^3	4.8E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.6E-09	3.3E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				ARSENIC	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.5E-08	5.7E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				COBALT	9.0E-6	mg/m^3	2.9E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.6E-07	2.1E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				LEAD	5.0E-6	mg/m^3	1.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.2E-8	mg/m^3	7.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-09	(mg/m^3)	3.0E-05	(mg/m^3)	0.0002
				VANADIUM	2.7E-5	mg/m^3	8.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	9.1E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.8E-6	mg/m^3	5.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.3E-6	mg/m^3	4.1E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.4E-07	2.9E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.003
			Exp. Route Total								6.5E-07					0.4
		Exposure Point Total									6.5E-07					0.4
	Exposure Medium Total										6.5E-07					0.4
Medium Total											1.3E-06					0.5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-05	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.200	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00010
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	6.80	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	27.2	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	242	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.6E-05					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	9.30	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								2.7E-05					0.008
		Exposure Point Total									4.3E-05					0.03
	Exposure Medium Total										4.3E-05					0.03
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	5.0E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.1E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.2E-09					0.0001
		Exposure Point Total									5.2E-09					0.0001
	Exposure Medium Total										5.2E-09					0.0001
Medium Total											4.3E-05					0.03

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	12.9	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	38.1	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	130	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	8.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00010
				VANADIUM	38.1	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.3E-07	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.8E-06					0.007
		Exposure Point Total									3.2E-06					0.04
	Exposure Medium Total										3.2E-06					0.04
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.9E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	9.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.4E-08					0.0003
		Exposure Point Total									1.4E-08					0.0003
	Exposure Medium Total										1.4E-08					0.0003
Medium Total											3.2E-06					0.04
										Total of Receptor Risks Across All Media	4.6E-05			Total of Receptor Hazards Across All Media		0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.010
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	0.200	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0010
				COBALT	9.30	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	6.80	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	242	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	5.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-06	5.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.9E-04					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	7.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	8.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	0.200	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00009
				COBALT	9.30	mg/kg	9.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	27.2	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.9E-05					0.01
		Exposure Point Total									2.5E-04					0.3
	Exposure Medium Total										2.5E-04					0.3
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.6E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	6.2E-11	mg/m^3	3.2E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.8E-13	3.7E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000004
				COBALT	2.9E-9	mg/m^3	1.5E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				LEAD	2.1E-9	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	3.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				MOLYBDENUM	1.4E-10	mg/m^3	7.2E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.7E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	4.5E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	8.4E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	3.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.1E-09					0.00004
		Exposure Point Total									1.1E-09					0.00004
	Exposure Medium Total										1.1E-09					0.00004
Medium Total											2.5E-04					0.3

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.0E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	12.9	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	7.20	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	130	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.0E-06	8.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								8.2E-06					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-06	3.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	12.9	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	9.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-06	2.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								3.3E-06					0.01
		Exposure Point Total									1.1E-05					0.3
	Exposure Medium Total										1.1E-05					0.3
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	2.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-12	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.1E-10	1.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00005
				ARSENIC	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.5E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	4.0E-9	mg/m^3	2.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-10	2.4E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				LEAD	2.2E-9	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	5.0E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000002
				VANADIUM	1.2E-8	mg/m^3	6.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	4.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	1.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.9E-09					0.00009
		Exposure Point Total									1.9E-09					0.00009
	Exposure Medium Total										1.9E-09					0.00009
Medium Total											1.1E-05					0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	4.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.6E-05	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	6.80	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	7.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	242	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	9.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								3.7E-05					0.05
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	5.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.0E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	9.30	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	10.9	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.9E-07	8.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								4.1E-05					0.010
		Exposure Point Total									7.8E-05					0.06
	Exposure Medium Total										7.8E-05					0.06
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	6.2E-11	mg/m^3	6.4E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.2E-12	3.7E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000004
				COBALT	2.9E-9	mg/m^3	3.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-10	1.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				LEAD	2.1E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	6.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				MOLYBDENUM	1.4E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	3.5E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.1E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	8.4E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	7.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.8E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.2E-09					0.00004
		Exposure Point Total									1.2E-09					0.00004
	Exposure Medium Total										1.2E-09					0.00004
Medium Total											7.8E-05					0.06

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-07	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	7.20	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00009
				VANADIUM	38.1	mg/kg	5.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	130	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	7.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.7E-07	1.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.0E-06					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-07	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000008
				ARSENIC	3.60	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	6.4E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.3E-06					0.009
		Exposure Point Total									4.3E-06					0.07
	Exposure Medium Total										4.3E-06					0.07
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	2.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-12	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	2.4E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.2E-10	1.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00005
				ARSENIC	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	4.0E-9	mg/m^3	4.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.7E-10	2.4E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				LEAD	2.2E-9	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	9.9E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000002
				VANADIUM	1.2E-8	mg/m^3	1.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	8.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	1.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								2.5E-09					0.00009
		Exposure Point Total									2.5E-09					0.00009
	Exposure Medium Total										2.5E-09					0.00009
Medium Total											4.3E-06					0.07

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-05	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.200	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00010
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	6.80	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	27.2	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	242	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.6E-05					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	9.30	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								2.7E-05					0.008
		Exposure Point Total									4.3E-05					0.03
	Exposure Medium Total										4.3E-05					0.03
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	5.0E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.1E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.2E-09					0.0001
		Exposure Point Total									5.2E-09					0.0001
	Exposure Medium Total										5.2E-09					0.0001
Medium Total											4.3E-05					0.03

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	12.9	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	38.1	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	130	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	8.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00010
				VANADIUM	38.1	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.3E-07	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.8E-06					0.007
		Exposure Point Total									3.2E-06					0.04
	Exposure Medium Total										3.2E-06					0.04
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.9E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	9.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.4E-08					0.0003
		Exposure Point Total									1.4E-08					0.0003
	Exposure Medium Total										1.4E-08					0.0003
Medium Total											3.2E-06					0.04

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	4.9E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.6E-04	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	6.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.50	mg/kg	2.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.1E-06	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.200	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	9.30	mg/kg	7.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	6.80	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				MOLYBDENUM	0.450	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				VANADIUM	27.2	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.05
				DIESEL RANGE ORGANICS	242	mg/kg	1.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	9.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-06	1.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								3.7E-04					0.5
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.8E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-04	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	0.200	mg/kg	4.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	9.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.3E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.6E-06	2.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.3E-04					0.03
		Exposure Point Total									5.0E-04					0.5
	Exposure Medium Total										5.0E-04					0.5
	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	5.1E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.2E-12	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	2.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.7E-08					0.0006
		Exposure Point Total									1.7E-08					0.0006
	Exposure Medium Total										1.7E-08					0.0006
Medium Total											5.0E-04					0.5

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.6E-06	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00007
				ARSENIC	3.60	mg/kg	2.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.2E-06	3.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	12.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				LEAD	7.20	mg/kg	5.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	38.1	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	130	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	7.5E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.6E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								1.6E-05					0.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	3.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	12.9	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	6.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				VANADIUM	38.1	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.2E-06	4.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								7.3E-06					0.03
		Exposure Point Total									2.3E-05					0.6
	Exposure Medium Total										2.3E-05					0.6
	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.0E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	9.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								3.0E-08					0.001
		Exposure Point Total									3.0E-08					0.001
	Exposure Medium Total										3.0E-08					0.001
Medium Total											2.3E-05					0.6

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	9.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.7E-05	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	3.50	mg/kg	1.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-06	6.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.200	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				LEAD	6.80	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	8.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	242	mg/kg	7.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	8.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								6.9E-05					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.7E-05	7.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	3.50	mg/kg	9.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	1.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	9.30	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	4.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	10.9	mg/kg	9.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.2E-07	5.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								2.7E-05					0.006
		Exposure Point Total									9.7E-05					0.10
	Exposure Medium Total										9.7E-05					0.10
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.2E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	9.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	2.4E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	4.4E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	2.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	3.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	2.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								4.6E-09					0.0001
		Exposure Point Total									4.6E-09					0.0001
	Exposure Medium Total										4.6E-09					0.0001
Medium Total											9.7E-05					0.10

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	12.9	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	7.20	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	9.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	130	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	7.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.0E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								3.7E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.6E-07	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				ARSENIC	3.60	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	38.1	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.5E-07	9.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.006
		Exposure Point Total									5.3E-06					0.1
	Exposure Medium Total										5.3E-06					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	8.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	1.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	3.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	4.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	5.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.9E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								9.6E-09					0.0003
		Exposure Point Total									9.6E-09					0.0003
	Exposure Medium Total										9.6E-09					0.0003
Medium Total											5.3E-06					0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	5.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-07	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	3.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	6.80	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	7.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00009
				NICKEL	10.9	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	242	mg/kg	4.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.2E-08	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.5E-05					0.05
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-06	6.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	0.200	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	9.30	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	3.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000004
				NICKEL	10.9	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.5E-07	4.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								7.7E-06					0.005
		Exposure Point Total									2.3E-05					0.06
	Exposure Medium Total										2.3E-05					0.06
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.4E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	9.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	2.4E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	4.4E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	2.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	3.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	2.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								2.5E-09					0.0001
		Exposure Point Total									2.5E-09					0.0001
	Exposure Medium Total										2.5E-09					0.0001
Medium Total											2.3E-05					0.06

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.1E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	6.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.1E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	7.20	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	130	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								1.4E-06					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	7.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	12.9	mg/kg	8.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00006
				VANADIUM	38.1	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								5.1E-07					0.004
		Exposure Point Total									1.9E-06					0.07
	Exposure Medium Total										1.9E-06					0.07
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	1.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	3.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	4.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								6.5E-09					0.0003
		Exposure Point Total									6.5E-09					0.0003
	Exposure Medium Total										6.5E-09					0.0003
Medium Total											1.9E-06					0.07

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	6.9E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.0E-04	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	9.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.03
				ARSENIC	3.50	mg/kg	3.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-06	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.200	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	9.30	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				LEAD	6.80	mg/kg	7.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				MOLYBDENUM	0.450	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	10.9	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	27.2	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	242	mg/kg	2.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	6.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.2E-06	1.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								5.1E-04					0.7
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-04	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.005
				ARSENIC	3.50	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	6.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00003
				NICKEL	10.9	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	27.2	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-06	3.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								1.9E-04					0.04
		Exposure Point Total									7.0E-04					0.7
	Exposure Medium Total										7.0E-04					0.7
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	5.1E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.2E-12	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	2.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.7E-08					0.0006
		Exposure Point Total									1.7E-08					0.0006
	Exposure Medium Total										1.7E-08					0.0006
Medium Total											7.0E-04					0.7

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				ARSENIC	3.60	mg/kg	3.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.9E-06	4.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	12.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				LEAD	7.20	mg/kg	7.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	38.1	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.10
				DIESEL RANGE ORGANICS	130	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.1E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.3E-06	2.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.008
			Exp. Route Total								2.2E-05					0.8
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				ARSENIC	3.60	mg/kg	3.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.0E-07	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	9.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.9E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.9E-06	6.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.009
			Exp. Route Total								1.0E-05					0.04
		Exposure Point Total									3.2E-05					0.8
	Exposure Medium Total										3.2E-05					0.8
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.0E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	9.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								3.0E-08					0.001
		Exposure Point Total									3.0E-08					0.001
	Exposure Medium Total										3.0E-08					0.001
Medium Total											3.2E-05					0.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.4E-05	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.005
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	0.200	mg/kg	8.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0005
				COBALT	9.30	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	6.80	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	242	mg/kg	9.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.2E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	6.0E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								9.7E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	5.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-05	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0010
				ARSENIC	3.50	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	9.30	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	10.9	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	27.2	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.3E-07	8.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.8E-05					0.009
		Exposure Point Total									1.4E-04					0.1
	Exposure Medium Total										1.4E-04					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	1.0E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.8E-11	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	9.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	1.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.9E-08					0.0006
		Exposure Point Total									1.9E-08					0.0006
	Exposure Medium Total										1.9E-08					0.0006
Medium Total											1.4E-04					0.1

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	6.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	12.9	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	7.20	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	130	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.9E-07	4.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								5.2E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.9E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	6.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.2E-06					0.008
		Exposure Point Total									7.4E-06					0.2
	Exposure Medium Total										7.4E-06					0.2
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	3.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-08	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	6.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.9E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	3.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	6.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								4.0E-08					0.001
		Exposure Point Total									4.0E-08					0.001
	Exposure Medium Total										4.0E-08					0.001
Medium Total											7.4E-06					0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-05	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	8.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.200	mg/kg	4.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	6.80	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				NICKEL	10.9	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	242	mg/kg	5.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.3E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.2E-05					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	8.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	3.50	mg/kg	9.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	9.30	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	10.9	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.1E-07	6.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.1E-05					0.007
		Exposure Point Total									3.2E-05					0.08
	Exposure Medium Total										3.2E-05					0.08
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	6.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.6E-10	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	1.0E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.8E-11	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	9.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	1.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	5.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.7E-09	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.1E-08					0.0006
		Exposure Point Total									1.1E-08					0.0006
	Exposure Medium Total										1.1E-08					0.0006
Medium Total											3.2E-05					0.08

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.9E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.3E-07	3.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	8.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	12.9	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	7.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	130	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.1E-07	2.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								1.9E-06					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	3.0E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	38.1	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.4E-07	9.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								7.1E-07					0.006
		Exposure Point Total									2.6E-06					0.09
	Exposure Medium Total										2.6E-06					0.09
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	3.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-08	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	6.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.9E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	3.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	6.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.7E-09	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								2.8E-08					0.001
		Exposure Point Total									2.8E-08					0.001
	Exposure Medium Total										2.8E-08					0.001
Medium Total											2.6E-06					0.09

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

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SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC

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9.2.RME	Industrial Worker
9.3.RME	Child Commercial Receptor
9.4.RME	Adolescent Commercial Receptor
9.5.RME	Lifelong Commercial Receptor
9.6.RME	Adult Commercial Receptor
9.7.RME	Child Recreational User
9.8.RME	Adolescent Recreational User
9.9.RME	Adult Recreational User
9.10.RME	Lifelong Recreational User
9.11.RME	Child Resident
9.12.RME	Adolescent Resident
9.13.RME	Adult Resident
9.14.RME	Lifelong Resident

Note: Tables are block-specific.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	3E-09	--	8E-10	--	3E-09	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.0008	0.006
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.05	- -	0.003	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0007	- -	0.00006	0.0008
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0003	0.02
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00006	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.000009	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0002	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-08	--	2E-08	--	5E-08	None Reported	0.001	- -	0.001	0.002
			Chemical Total	2E-06	--	5E-07	--	3E-06		0.2	--	0.01	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.04	- -	0.04
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.002	- -	0.002
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.3	- -	0.3
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-09	--	--	9E-09	Body Weight	- -	0.03	- -	0.03
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.001	- -	0.001
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.6	- -	0.6
		Exposure Point Total						4E-07					0.6
	Exposure Medium Total							4E-07					0.6
Medium Total								3E-06					0.9

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0003	0.001
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	8E-08	--	4E-07	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	9E-09	--	4E-08	NA	--	- -	--	--
			ARSENIC	5E-07	--	3E-08	--	5E-07	Skin, CVS	0.07	- -	0.004	0.08
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0004	0.02
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.004	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0008	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-08	--	4E-08	--	9E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	9E-07	--	2E-07	--	1E-06		0.3	--	0.01	0.3
		Exposure Point Total						1E-06					0.3
	Exposure Medium Total							1E-06					0.3
	Air	Block D	NAPHTHALENE	--	5E-08	--	--	5E-08	Respiratory	- -	0.03	- -	0.03
			BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ARSENIC	--	5E-08	--	--	5E-08	NA	- -	0.05	- -	0.05
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.2	- -	0.2
			MERCURY	--	- -	--	--	- -	NA	- -	0.0010	- -	0.0010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-07	--	--	3E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	6E-07	--	--	6E-07		- -	0.6	- -	0.6
		Exposure Point Total						6E-07					0.6
	Exposure Medium Total							6E-07					0.6
Medium Total								2E-06					1.0
Receptor Total							Receptor Risk Total	5E-06				Receptor HI Total	2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.006
Total Body Weight HI	0.03
Total CNS HI	0.5
Total CVS HI	0.1
Total GS HI	0.3
Total Kidney HI	0.03
Total Lungs HI	0.6
Total None Reported HI	0.006
Total Skin HI	0.1
Total Respiratory HI	0.03
Total NA HI	0.09
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0006	- -	0.0005	0.001
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00007	- -	0.00004	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0004	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	4E-07	--	5E-07	None Reported	0.0001	- -	0.0007	0.0009
			Chemical Total	6E-06	--	9E-06	--	1E-05		0.04	--	0.010	0.05
		Exposure Point Total						1E-05					0.05
	Exposure Medium Total							1E-05					0.05
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						5E-09					0.0003
	Exposure Medium Total							5E-09					0.0003
Medium Total								1E-05					0.05

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.0002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	1E-06	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	2E-07	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	5E-07	--	2E-06	Skin, CVS	0.008	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0002	- -	0.00003	0.0003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	8E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	2E-06	--	3E-06	--	5E-06		0.05	--	0.01	0.06
		Exposure Point Total						5E-06					0.06
	Exposure Medium Total							5E-06					0.06
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.005	- -	0.005
		Exposure Point Total						2E-07					0.005
	Exposure Medium Total							2E-07					0.005
Medium Total								5E-06					0.07
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Industrial Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.04
Total Body Weight HI	0.002
Total CNS HI	0.0008
Total CVS HI	0.02
Total GS HI	0.04
Total Kidney HI	0.008
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.0009	0.007
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0007	- -	0.00007	0.0008
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00007	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.002	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.003
			Chemical Total	6E-05	--	2E-05	--	8E-05		0.4	--	0.02	0.4
		Exposure Point Total						8E-05					0.4
	Exposure Medium Total							8E-05					0.4
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	4E-13	--	--	4E-13	NA	- -	0.0000003	- -	0.0000003
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00003	- -	0.00003
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-12	--	--	6E-12	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-10	--	--	6E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	8E-10	--	--	8E-10		- -	0.00007	- -	0.00007
		Exposure Point Total						8E-10					0.00007
	Exposure Medium Total							8E-10					0.00007
Medium Total								8E-05					0.4

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0010	- -	0.0003	0.001
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-07	--	7E-08	--	3E-07	NA	--	- -	--	--
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.005	0.08
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0010	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0010	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-05	--	5E-06	--	2E-05		0.5	--	0.02	0.5
		Exposure Point Total						2E-05					0.5
	Exposure Medium Total							2E-05					0.5
	Air	Block D	NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.001	- -	0.001
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								2E-05					0.5
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.9

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.4
Total Body Weight HI	0.007
Total CNS HI	0.006
Total CVS HI	0.1
Total GS HI	0.3
Total Kidney HI	0.07
Total Lungs HI	0.00007
Total None Reported HI	0.007
Total Skin HI	0.1
Total Respiratory HI	0.001
Total NA HI	0.00001

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	7E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0006	0.002
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0001	- -	0.00005	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00005	0.0006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0009	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.000007	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	6E-07	--	8E-07	None Reported	0.0003	- -	0.0009	0.001
			Chemical Total	1E-05	--	1E-05	--	3E-05		0.07	--	0.01	0.08
		Exposure Point Total						3E-05					0.08
	Exposure Medium Total							3E-05					0.08
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-14	--	--	4E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	9E-13	--	--	9E-13	NA	- -	0.0000003	- -	0.0000003
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00003	- -	0.00003
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-11	--	--	1E-11	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-10	--	--	6E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00007	- -	0.00007
		Exposure Point Total						1E-09					0.00007
	Exposure Medium Total							1E-09					0.00007
Medium Total								3E-05					0.08

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0002	- -	0.0002	0.0004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	2E-06	--	4E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-08	--	9E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	3E-07	--	1E-06	Skin, CVS	0.01	- -	0.004	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.003	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00004	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0007	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	3E-06	--	4E-06	--	7E-06		0.10	--	0.01	0.1
		Exposure Point Total						7E-06					0.1
	Exposure Medium Total							7E-06					0.1
	Air	Block D	NAPHTHALENE	--	2E-08	--	--	2E-08	Respiratory	- -	0.001	- -	0.001
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.001	- -	0.001
		Exposure Point Total						2E-08					0.001
	Exposure Medium Total							2E-08					0.001
Medium Total								7E-06					0.1
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.001
Total CVS HI	0.03
Total GS HI	0.07
Total Kidney HI	0.01
Total Lungs HI	0.00007
Total None Reported HI	0.003
Total Skin HI	0.03
Total Respiratory HI	0.001
Total NA HI	0.00001

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04					
			AROCLOR-1260	2E-08	--	1E-08	--	4E-08					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11					
			AROCLOR-1260	--	5E-14	--	--	5E-14					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-11	--	--	7E-11					
			CADMIUM	--	1E-12	--	--	1E-12					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	2E-11	--	--	2E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09					
			Chemical Total	--	2E-09	--	--	2E-09					
		Exposure Point Total						2E-09					
	Exposure Medium Total							2E-09					
Medium Total								1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05					
			AROCLOR-1260	3E-07	--	2E-07	--	4E-07					
			ARSENIC	4E-06	--	5E-07	--	4E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	2E-05	--	8E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block D	NAPHTHALENE	--	3E-08	--	--	3E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11					
			AROCLOR-1260	--	7E-13	--	--	7E-13					
			ARSENIC	--	9E-11	--	--	9E-11					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-08	--	--	4E-08					
		Exposure Point Total						4E-08					
	Exposure Medium Total							4E-08					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0006	- -	0.0005	0.001
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00007	- -	0.00004	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0004	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	4E-07	--	5E-07	None Reported	0.0001	- -	0.0007	0.0009
			Chemical Total	6E-06	--	9E-06	--	1E-05		0.04	--	0.010	0.05
		Exposure Point Total						1E-05					0.05
	Exposure Medium Total							1E-05					0.05
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						5E-09					0.0003
	Exposure Medium Total							5E-09					0.0003
Medium Total								1E-05					0.05

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.0002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	1E-06	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	2E-07	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	5E-07	--	2E-06	Skin, CVS	0.008	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0002	- -	0.00003	0.0003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	8E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	2E-06	--	3E-06	--	5E-06		0.05	--	0.01	0.06
		Exposure Point Total						5E-06					0.06
	Exposure Medium Total							5E-06					0.06
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.005	- -	0.005
		Exposure Point Total						2E-07					0.005
	Exposure Medium Total							2E-07					0.005
Medium Total								5E-06					0.07
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.1

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.04
Total Body Weight HI	0.002
Total CNS HI	0.0008
Total CVS HI	0.02
Total GS HI	0.04
Total Kidney HI	0.008
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	4E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.009	0.3
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.05	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	1E-04	--	4E-05	--	2E-04		0.7	--	0.04	0.8
		Exposure Point Total						2E-04					0.8
	Exposure Medium Total							2E-04					0.8
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-14	--	--	7E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-11	--	--	9E-11	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	2E-12	--	--	2E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						3E-09					0.0003
	Exposure Medium Total							3E-09					0.0003
Medium Total								2E-04					0.8

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.002	- -	0.0007	0.002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	7E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	4E-07	--	1E-07	--	5E-07	NA	--	- -	--	--
			ARSENIC	5E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.010	0.4
			IRON	- -	--	- -	--	- -	GS	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.0001	0.005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.08
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.005	0.009
			Chemical Total	3E-05	--	1E-05	--	4E-05		1.0	--	0.04	1
		Exposure Point Total						4E-05					1
	Exposure Medium Total							4E-05					1
	Air	Block D	NAPHTHALENE	--	4E-08	--	--	4E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-13	--	--	8E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	5E-08	--	--	5E-08		- -	0.005	- -	0.005
		Exposure Point Total						5E-08					0.005
	Exposure Medium Total							5E-08					0.005
Medium Total								4E-05					1
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.7
Total Body Weight HI	0.01
Total CNS HI	0.01
Total CVS HI	0.3
Total GS HI	0.6
Total Kidney HI	0.1
Total Lungs HI	0.0003
Total None Reported HI	0.01
Total Skin HI	0.3
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	9E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.002
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00003	0.0003
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00003	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0006	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000005	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0009	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	4E-07	--	8E-07	None Reported	0.0005	- -	0.0006	0.001
			Chemical Total	2E-05	--	9E-06	--	3E-05		0.1	--	0.008	0.1
		Exposure Point Total						3E-05					0.1
	Exposure Medium Total							3E-05					0.1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-11	--	--	5E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	4E-09	--	--	4E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						4E-09					0.0003
	Exposure Medium Total							4E-09					0.0003
Medium Total								3E-05					0.1

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0001	0.0005
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.002	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.08	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0008	- -	0.00003	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0004	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	7E-07	--	1E-06	None Reported	0.0008	- -	0.0010	0.002
			Chemical Total	6E-06	--	2E-06	--	9E-06		0.2	--	0.009	0.2
		Exposure Point Total						9E-06					0.2
	Exposure Medium Total							9E-06					0.2
	Air	Block D	NAPHTHALENE	--	8E-08	--	--	8E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	9E-08	--	--	9E-08		- -	0.005	- -	0.005
		Exposure Point Total						9E-08					0.005
	Exposure Medium Total							9E-08					0.005
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.3

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.004
Total Blood HI	0.1
Total Body Weight HI	0.003
Total CNS HI	0.002
Total CVS HI	0.05
Total GS HI	0.1
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.05
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0003	0.001
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0001	- -	0.00002	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0009	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0005	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00009	- -	0.000004	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-08	--	1E-07	--	2E-07	None Reported	0.0003	- -	0.0005	0.0007
			Chemical Total	6E-06	--	3E-06	--	8E-06		0.08	--	0.006	0.08
		Exposure Point Total						8E-06					0.08
	Exposure Medium Total							8E-06					0.08
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-11	--	--	5E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						2E-09					0.0003
	Exposure Medium Total							2E-09					0.0003
Medium Total								8E-06					0.08

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0002	- -	0.0001	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	4E-07	--	1E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0005	- -	0.00002	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0003	0.0009
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0007	0.001
			Chemical Total	2E-06	--	8E-07	--	3E-06		0.1	--	0.007	0.1
		Exposure Point Total						3E-06					0.1
	Exposure Medium Total							3E-06					0.1
	Air	Block D	NAPHTHALENE	--	8E-08	--	--	8E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	9E-08	--	--	9E-08		- -	0.005	- -	0.005
		Exposure Point Total						9E-08					0.005
	Exposure Medium Total							9E-08					0.005
Medium Total								3E-06					0.1
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.2

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.001
Total CVS HI	0.03
Total GS HI	0.07
Total Kidney HI	0.01
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1260	5E-08	--	2E-08	--	7E-08					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06					
			Chemical Total	2E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10					
			AROCLOR-1260	--	3E-13	--	--	3E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	5E-10	--	--	5E-10					
			CADMIUM	--	8E-12	--	--	8E-12					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09					
			Chemical Total	--	9E-09	--	--	9E-09					
		Exposure Point Total						9E-09					
	Exposure Medium Total							9E-09					
Medium Total								2E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	9E-06	--	3E-05					
			AROCLOR-1260	6E-07	--	3E-07	--	8E-07					
			ARSENIC	9E-06	--	8E-07	--	9E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06					
			Chemical Total	4E-05	--	1E-05	--	5E-05					
		Exposure Point Total						5E-05					
	Exposure Medium Total							5E-05					
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11					
			AROCLOR-1260	--	4E-12	--	--	4E-12					
			ARSENIC	--	6E-10	--	--	6E-10					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	9E-09	--	--	9E-09					
			Chemical Total	--	2E-07	--	--	2E-07					
		Exposure Point Total						2E-07					
	Exposure Medium Total							2E-07					
Medium Total								5E-05					
Receptor Total							Receptor Risk Total	3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1260	4E-08	--	2E-08	--	6E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.008	- -	0.0002	0.008
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.001	- -	0.00003	0.001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.009	- -	0.007	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	5E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	2E-04	--	6E-05	--	2E-04		1	--	0.05	1
		Exposure Point Total						2E-04					1
	Exposure Medium Total							2E-04					1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000004	- -	0.000004
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								2E-04					1

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.003	- -	0.0009	0.003
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1260	5E-07	--	2E-07	--	7E-07	NA	--	- -	--	--
			ARSENIC	8E-06	--	6E-07	--	8E-06	Skin, CVS	0.2	- -	0.02	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.6	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	9E-06	None Reported	0.006	- -	0.007	0.01
			Chemical Total	4E-05	--	2E-05	--	6E-05		1	--	0.06	1
		Exposure Point Total						6E-05					1
	Exposure Medium Total							6E-05					1
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00009	- -	0.00009
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.02	- -	0.02
		Exposure Point Total						2E-07					0.02
	Exposure Medium Total							2E-07					0.02
Medium Total								6E-05					1

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.03
Total Blood HI	1.0
Total Body Weight HI	0.02
Total CNS HI	0.02
Total CVS HI	0.4
Total GS HI	0.9
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.02
Total Skin HI	0.4
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	7E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0006	0.003
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0004	- -	0.00004	0.0004
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.09
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0009	0.003
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000007	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.002	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0008	0.002
			Chemical Total	3E-05	--	1E-05	--	5E-05		0.2	--	0.01	0.2
		Exposure Point Total						5E-05					0.2
	Exposure Medium Total							5E-05					0.2
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.001	- -	0.001
		Exposure Point Total						2E-08					0.001
	Exposure Medium Total							2E-08					0.001
Medium Total								5E-05					0.2

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0002	0.0007
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1260	2E-07	--	8E-08	--	3E-07	NA	--	- -	--	--
			ARSENIC	3E-06	--	3E-07	--	3E-06	Skin, CVS	0.04	- -	0.003	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.10
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00004	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0006	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	9E-06	--	3E-06	--	1E-05		0.3	--	0.01	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block D	NAPHTHALENE	--	3E-07	--	--	3E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			ARSENIC	--	1E-09	--	--	1E-09	NA	- -	0.00009	- -	0.00009
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.02	- -	0.02
		Exposure Point Total						4E-07					0.02
	Exposure Medium Total							4E-07					0.02
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	6E-05				Receptor HI Total	0.5

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.005
Total Blood HI	0.2
Total Body Weight HI	0.004
Total CNS HI	0.004
Total CVS HI	0.07
Total GS HI	0.2
Total Kidney HI	0.03
Total Lungs HI	0.001
Total None Reported HI	0.004
Total Skin HI	0.07
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	7E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	9E-09	--	5E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.002
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00003	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.05
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00004	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0007	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0001	- -	0.000005	0.0001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0010	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0006	0.001
			Chemical Total	8E-06	--	4E-06	--	1E-05		0.1	--	0.008	0.1
		Exposure Point Total						1E-05					0.1
	Exposure Medium Total							1E-05					0.1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								1E-05					0.1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0001	0.0004
			BENZO(A)PYRENE EQUIVALENTS	1E-06	--	6E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.02	- -	0.003	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0007	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0005	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	3E-07	--	4E-07	None Reported	0.0006	- -	0.001	0.002
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.009	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block D	NAPHTHALENE	--	3E-07	--	--	3E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			ARSENIC	--	1E-09	--	--	1E-09	NA	- -	0.00009	- -	0.00009
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.02	- -	0.02
		Exposure Point Total						4E-07					0.02
	Exposure Medium Total							4E-07					0.02
Medium Total								4E-06					0.2
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.3

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CNS HI	0.003
Total CVS HI	0.04
Total GS HI	0.10
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04					
			AROCLOR-1260	7E-08	--	3E-08	--	1E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	8E-07	--	1E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	2E-04	--	8E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-09	--	--	1E-09					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	3E-11	--	--	3E-11					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	5E-10	--	--	5E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	4E-08	--	--	4E-08					
		Exposure Point Total						4E-08					
	Exposure Medium Total							4E-08					
Medium Total								3E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05					
			AROCLOR-1260	8E-07	--	4E-07	--	1E-06					
			ARSENIC	1E-05	--	1E-06	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	6E-06	--	1E-05					
			Chemical Total	5E-05	--	2E-05	--	7E-05					
		Exposure Point Total						7E-05					
	Exposure Medium Total							7E-05					
	Air	Block D	NAPHTHALENE	--	9E-07	--	--	9E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10					
			AROCLOR-1260	--	2E-11	--	--	2E-11					
			ARSENIC	--	3E-09	--	--	3E-09					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	9E-07	--	--	9E-07					
		Exposure Point Total						9E-07					
	Exposure Medium Total							9E-07					
Medium Total								7E-05					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.001	0.01
			1,2,4-TRICHLOROBENZENE	2E-07	--	9E-09	--	2E-07	Liver	0.004	--	0.0002	0.004
			1,4-DICHLOROBENZENE	8E-11	--	5E-12	--	9E-11	NA	0.00002	- -	0.0000009	0.00002
			BENZO(A)PYRENE EQUIVALENTS	7E-07	--	2E-07	--	9E-07	NA	--	- -	--	--
			AROCLOR-1254	5E-06	--	1E-06	--	6E-06	Autoimmune	8	- -	2	11
			AROCLOR-1260	1E-05	--	4E-06	--	2E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0006	0.005
			ARSENIC	2E-07	--	1E-08	--	2E-07	Skin, CVS	0.03	- -	0.002	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0004	0.02
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0001	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0006	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0002	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	4E-08	--	8E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-05	--	6E-06	--	3E-05		9	--	2	11
		Exposure Point Total						3E-05					11
	Exposure Medium Total							3E-05					11

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Urinary Tract	- -	0.1	- -	0.1
			1,4-DICHLOROBENZENE	--	4E-09	--	--	4E-09	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-08	--	--	5E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-07	--	--	1E-07	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-08	--	--	2E-08	NA	- -	0.02	- -	0.02
			CADMIUM	--	1E-08	--	--	1E-08	NA	- -	0.04	- -	0.04
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.6	- -	0.6
			MERCURY	--	- -	--	--	- -	NA	- -	0.0006	- -	0.0006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-09	--	--	6E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								3E-05					12

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Body Weight	0.1	- -	0.01	0.1
			1,2,4-TRICHLOROBENZENE	1E-06	--	9E-08	--	1E-06	Liver	0.04	--	0.002	0.04
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	4E-09	--	2E-10	--	4E-09	NA	0.0007	- -	0.00004	0.0007
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	2E-07	--	1E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			AROCLOR-1254	1E-06	--	4E-07	--	2E-06	Autoimmune	2	- -	0.7	3
			AROCLOR-1260	1E-04	--	3E-05	--	1E-04	NA	--	- -	--	--
			ARSENIC	2E-07	--	9E-09	--	2E-07	Skin, CVS	0.02	- -	0.001	0.02
			COBALT	- -	--	- -	--	- -	Thyroid	0.006	- -	0.0001	0.006
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00006	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.001	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0001	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-08	--	1E-08	--	3E-08	None Reported	0.0008	- -	0.0006	0.001
			Chemical Total	1E-04	--	3E-05	--	1E-04		3	--	0.7	3
		Exposure Point Total						1E-04					3
	Exposure Medium Total							1E-04					3

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.007	- -	0.007
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	2E-07	--	--	2E-07	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09	NA	- -	--	- -	--
			NAPHTHALENE	--	8E-10	--	--	8E-10	Respiratory	- -	0.0005	- -	0.0005
			AROCLOR-1254	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	9E-07	--	--	9E-07	NA	- -	--	- -	--
			ARSENIC	--	1E-08	--	--	1E-08	NA	- -	0.02	- -	0.02
			COBALT	--	8E-08	--	--	8E-08	Lungs	- -	0.1	- -	0.1
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.3	- -	0.3
			MERCURY	--	- -	--	--	- -	NA	- -	0.002	- -	0.002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-08	--	--	9E-08	Lungs	- -	0.0008	- -	0.0008
			Chemical Total	--	1E-06	--	--	1E-06		- -	0.4	- -	0.4
		Exposure Point Total						1E-06					0.4
	Exposure Medium Total							1E-06					0.4
Medium Total								1E-04					4
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	16

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	0.007
Total Autoimmune HI	14
Total Blood HI	0.005
Total Body Weight HI	0.1
Total CNS HI	0.9
Total CVS HI	0.06
Total GS HI	0.2
Total Kidney HI	0.03
Total Liver HI	0.05
Total Lungs HI	0.4
Total None Reported HI	0.005
Total Skin HI	0.06
Total Respiratory HI	0.0005
Total Urinary Tract HI	0.1
Total NA HI	0.09
Total Thyroid HI	0.02

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.010	- -	0.004	0.01
			1,2,4-TRICHLOROBENZENE	4E-07	--	2E-07	--	5E-07	Adrenals	0.004	- -	0.002	0.005
			1,4-DICHLOROBENZENE	2E-10	--	9E-11	--	3E-10	NA	0.000002	- -	0.0000006	0.000002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	2E-05	--	4E-05	Autoimmune	0.9	- -	2	3
			AROCLOR-1260	4E-05	--	7E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0005	- -	0.0004	0.0009
			ARSENIC	6E-07	--	2E-07	--	8E-07	Skin, CVS	0.004	- -	0.001	0.005
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0007	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00008	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0004	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.00001	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	5E-05	--	1E-04	--	2E-04		0.9	--	2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.2	- -	0.2
		Exposure Point Total						2E-08					0.2
	Exposure Medium Total							2E-08					0.2
Medium Total								2E-04					3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.1	- -	0.04	0.1
			1,2,4-TRICHLOROBENZENE	4E-06	--	1E-06	--	5E-06	Adrenals	0.04	- -	0.01	0.05
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	4E-09	--	1E-08	NA	0.00007	- -	0.00003	0.0001
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	4E-06	--	6E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000005
			AROCLOR-1254	3E-06	--	6E-06	--	1E-05	Autoimmune	0.2	- -	0.4	0.7
			AROCLOR-1260	2E-04	--	5E-04	--	7E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-07	--	5E-07	Skin, CVS	0.002	- -	0.0010	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.007	- -	0.0009	0.007
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	2E-07	--	3E-07	None Reported	0.00008	- -	0.0004	0.0005
			Chemical Total	3E-04	--	5E-04	--	7E-04		0.4	--	0.5	0.9
		Exposure Point Total						7E-04					0.9
	Exposure Medium Total							7E-04					0.9

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.000007	- -	0.000007
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								7E-04					2
Receptor Total							Receptor Risk Total	9E-04				Receptor HI Total	5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.03
Total Body Weight HI	0.001
Total CNS HI	0.001
Total CVS HI	0.008
Total GS HI	0.03
Total Kidney HI	0.006
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.008
Total Respiratory HI	0.00009
Total NA HI	0.0001

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.10	- -	0.007	0.1
			1,2,4-TRICHLOROBENZENE	9E-07	--	7E-08	--	1E-06	Adrenals	0.04	- -	0.003	0.04
			1,4-DICHLOROBENZENE	5E-10	--	4E-11	--	5E-10	NA	0.00002	- -	0.000001	0.00002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	7E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-05	--	1E-05	--	4E-05	Autoimmune	9	- -	3	12
			AROCLOR-1260	9E-05	--	3E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0007	0.005
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.04	- -	0.002	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0001	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0006	0.003
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	1E-04	--	5E-05	--	2E-04		9	--	3	12
		Exposure Point Total						2E-04					12
	Exposure Medium Total							2E-04					12

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.06	- -	0.06
			1,4-DICHLOROBENZENE	--	9E-10	--	--	9E-10	Liver	- -	0.000001	- -	0.000001
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000003	- -	0.000003
			CADMIUM	--	8E-12	--	--	8E-12	NA	- -	0.000005	- -	0.000005
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00006	- -	0.00006
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.06	- -	0.06
		Exposure Point Total						2E-09					0.06
	Exposure Medium Total							2E-09					0.06
Medium Total								2E-04					12

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	1.0	- -	0.07	1
			1,2,4-TRICHLOROBENZENE	9E-06	--	6E-07	--	9E-06	Adrenals	0.3	- -	0.02	0.4
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	2E-09	--	2E-08	NA	0.0007	- -	0.00005	0.0008
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	8E-06	--	4E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			AROCLOR-1254	8E-06	--	3E-06	--	1E-05	Autoimmune	2	- -	0.8	3
			AROCLOR-1260	6E-04	--	2E-04	--	8E-04	NA	--	- -	--	--
			ARSENIC	9E-07	--	7E-08	--	1E-06	Skin, CVS	0.02	- -	0.002	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00008	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	5E-07	--	1E-06	None Reported	0.0008	- -	0.0007	0.002
			Chemical Total	6E-04	--	2E-04	--	8E-04		4	--	0.9	5
		Exposure Point Total						8E-04					5
	Exposure Medium Total							8E-04					5

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.3	- -	0.3
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	4E-08	--	--	4E-08	Liver	- -	0.00005	- -	0.00005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	2E-10	--	--	2E-10	Respiratory	- -	0.00002	- -	0.00002
			AROCLOR-1254	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			ARSENIC	--	1E-11	--	--	1E-11	NA	- -	0.000002	- -	0.000002
			COBALT	--	6E-11	--	--	6E-11	Lungs	- -	0.00001	- -	0.00001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00004	- -	0.00004
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-10	--	--	4E-10	Lungs	- -	0.00000009	- -	0.00000009
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.3	- -	0.3
		Exposure Point Total						4E-08					0.3
	Exposure Medium Total							4E-08					0.3
Medium Total								8E-04					5
Receptor Total							Receptor Risk Total	1E-03				Receptor HI Total	17

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	15
Total Blood HI	0.3
Total Body Weight HI	0.004
Total CNS HI	0.010
Total CVS HI	0.06
Total GS HI	0.2
Total Kidney HI	0.05
Total Liver HI	0.00006
Total Lungs HI	0.00005
Total None Reported HI	0.006
Total Skin HI	0.06
Total Respiratory HI	0.00002
Total NA HI	0.0008

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.02	- -	0.005	0.02
			1,2,4-TRICHLOROBENZENE	3E-07	--	9E-08	--	4E-07	Adrenals	0.007	- -	0.002	0.009
			1,4-DICHLOROBENZENE	2E-10	--	5E-11	--	2E-10	NA	0.000003	- -	0.0000008	0.000004
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	5E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	1E-05	--	2E-05	Autoimmune	2	- -	2	4
			AROCLOR-1260	3E-05	--	4E-05	--	7E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0008	- -	0.0005	0.001
			ARSENIC	5E-07	--	1E-07	--	6E-07	Skin, CVS	0.007	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0008	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00010	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0004	0.0008
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.00001	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	9E-07	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	5E-05	--	6E-05	--	1E-04		2	--	2	4
		Exposure Point Total						1E-04					4
	Exposure Medium Total							1E-04					4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.06	- -	0.06
			1,4-DICHLOROBENZENE	--	2E-09	--	--	2E-09	Liver	- -	0.000001	- -	0.000001
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000003	- -	0.000003
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000005	- -	0.000005
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00006	- -	0.00006
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-12	--	--	9E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.06	- -	0.06
		Exposure Point Total						3E-09					0.06
	Exposure Medium Total							3E-09					0.06
Medium Total								1E-04					4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.05	0.2
			1,2,4-TRICHLOROBENZENE	3E-06	--	8E-07	--	4E-06	Adrenals	0.07	- -	0.02	0.08
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	9E-09	--	2E-09	--	1E-08	NA	0.0001	- -	0.00003	0.0002
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	6E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000004	0.000007
			AROCLOR-1254	3E-06	--	4E-06	--	7E-06	Autoimmune	0.4	- -	0.5	1.0
			AROCLOR-1260	2E-04	--	3E-04	--	5E-04	NA	--	- -	--	--
			ARSENIC	3E-07	--	9E-08	--	4E-07	Skin, CVS	0.005	- -	0.001	0.006
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.001	0.01
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00005	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	3E-07	--	5E-07	None Reported	0.0001	- -	0.0005	0.0007
			Chemical Total	2E-04	--	3E-04	--	5E-04		0.7	--	0.6	1
		Exposure Point Total						5E-04					1
	Exposure Medium Total							5E-04					1

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.3	- -	0.3
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	8E-08	--	--	8E-08	Liver	- -	0.00005	- -	0.00005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	4E-10	--	--	4E-10	Respiratory	- -	0.00002	- -	0.00002
			AROCLOR-1254	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000002	- -	0.000002
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00001	- -	0.00001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00004	- -	0.00004
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-10	--	--	4E-10	Lungs	- -	0.00000009	- -	0.00000009
			Chemical Total	--	8E-08	--	--	8E-08		- -	0.3	- -	0.3
		Exposure Point Total						8E-08					0.3
	Exposure Medium Total							8E-08					0.3
Medium Total								5E-04					2
Receptor Total							Receptor Risk Total	6E-04				Receptor HI Total	5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	0.7
Total Autoimmune HI	5
Total Blood HI	0.05
Total Body Weight HI	0.002
Total CNS HI	0.002
Total CVS HI	0.01
Total GS HI	0.05
Total Kidney HI	0.01
Total Liver HI	0.00006
Total Lungs HI	0.00005
Total None Reported HI	0.002
Total Skin HI	0.01
Total Respiratory HI	0.00002
Total NA HI	0.0002

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	1E-06	--	2E-07	--	1E-06					
			1,4-DICHLOROBENZENE	7E-10	--	9E-11	--	8E-10					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05					
			AROCLOR-1254	4E-05	--	2E-05	--	6E-05					
			AROCLOR-1260	1E-04	--	7E-05	--	2E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	2E-06	--	2E-07	--	2E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	2E-04	--	1E-04	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	3E-09	--	--	3E-09					
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11					
			AROCLOR-1254	--	1E-10	--	--	1E-10					
			AROCLOR-1260	--	3E-10	--	--	3E-10					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	5E-11	--	--	5E-11					
			CADMIUM	--	2E-11	--	--	2E-11					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-11	--	--	1E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	6E-09	--	--	6E-09					
		Exposure Point Total						6E-09					
	Exposure Medium Total							6E-09					
Medium Total								3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	1E-05	--	1E-06	--	1E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	3E-08	--	4E-09	--	4E-08					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	1E-05	--	6E-06	--	2E-05					
			AROCLOR-1260	8E-04	--	5E-04	--	1E-03					
			ARSENIC	1E-06	--	2E-07	--	1E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	6E-07	--	9E-07	--	1E-06					
			Chemical Total	9E-04	--	5E-04	--	1E-03					
		Exposure Point Total						1E-03					
	Exposure Medium Total							1E-03					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	1E-07	--	--	1E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11					
			NAPHTHALENE	--	6E-10	--	--	6E-10					
			AROCLOR-1254	--	3E-11	--	--	3E-11					
			AROCLOR-1260	--	2E-09	--	--	2E-09					
			ARSENIC	--	3E-11	--	--	3E-11					
			COBALT	--	2E-10	--	--	2E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								1E-03					
Receptor Total							Receptor Risk Total	2E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.010	- -	0.004	0.01
			1,2,4-TRICHLOROBENZENE	4E-07	--	2E-07	--	5E-07	Adrenals	0.004	- -	0.002	0.005
			1,4-DICHLOROBENZENE	2E-10	--	9E-11	--	3E-10	NA	0.000002	- -	0.0000006	0.000002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	2E-05	--	4E-05	Autoimmune	0.9	- -	2	3
			AROCLOR-1260	4E-05	--	7E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0005	- -	0.0004	0.0009
			ARSENIC	6E-07	--	2E-07	--	8E-07	Skin, CVS	0.004	- -	0.001	0.005
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0007	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00008	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0004	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.00001	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	5E-05	--	1E-04	--	2E-04		0.9	--	2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.2	- -	0.2
		Exposure Point Total						2E-08					0.2
	Exposure Medium Total							2E-08					0.2
Medium Total								2E-04					3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.1	- -	0.04	0.1
			1,2,4-TRICHLOROBENZENE	4E-06	--	1E-06	--	5E-06	Adrenals	0.04	- -	0.01	0.05
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	4E-09	--	1E-08	NA	0.00007	- -	0.00003	0.0001
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	4E-06	--	6E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000005
			AROCLOR-1254	3E-06	--	6E-06	--	1E-05	Autoimmune	0.2	- -	0.4	0.7
			AROCLOR-1260	2E-04	--	5E-04	--	7E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-07	--	5E-07	Skin, CVS	0.002	- -	0.0010	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.007	- -	0.0009	0.007
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	2E-07	--	3E-07	None Reported	0.00008	- -	0.0004	0.0005
			Chemical Total	3E-04	--	5E-04	--	7E-04		0.4	--	0.5	0.9
		Exposure Point Total						7E-04					0.9
	Exposure Medium Total							7E-04					0.9

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.000007	- -	0.000007
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								7E-04					2
Receptor Total							Receptor Risk Total	9E-04				Receptor HI Total	5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.03
Total Body Weight HI	0.001
Total CNS HI	0.001
Total CVS HI	0.008
Total GS HI	0.03
Total Kidney HI	0.006
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.008
Total Respiratory HI	0.00009
Total NA HI	0.0001

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.02	0.2
			1,2,4-TRICHLOROBENZENE	2E-06	--	1E-07	--	2E-06	Adrenals	0.07	- -	0.006	0.08
			1,4-DICHLOROBENZENE	1E-09	--	8E-11	--	1E-09	NA	0.00003	- -	0.000003	0.00003
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	6E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-05	--	2E-05	--	8E-05	Autoimmune	16	- -	6	23
			AROCLOR-1260	2E-04	--	7E-05	--	2E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.008	- -	0.002	0.01
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.006	0.07
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.010	0.4
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.01	- -	0.0003	0.01
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.002	- -	0.00004	0.002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.005	- -	0.003	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	3E-04	--	1E-04	--	4E-04		17	--	7	24
		Exposure Point Total						4E-04					24
	Exposure Medium Total							4E-04					24

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	3E-09	--	--	3E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-10	--	--	4E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.2	- -	0.2
		Exposure Point Total						8E-09					0.2
	Exposure Medium Total							8E-09					0.2
Medium Total								4E-04					24

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	2	- -	0.2	2
			1,2,4-TRICHLOROBENZENE	2E-05	--	1E-06	--	2E-05	Adrenals	0.7	- -	0.06	0.7
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	4E-08	--	4E-09	--	5E-08	NA	0.001	- -	0.0001	0.001
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00003	- -	0.00001	0.00004
			AROCLOR-1254	2E-05	--	6E-06	--	2E-05	Autoimmune	4	- -	2	6
			AROCLOR-1260	1E-03	--	4E-04	--	2E-03	NA	--	- -	--	--
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.05	- -	0.004	0.05
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.009	- -	0.004	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0007	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.001	- -	0.002	0.003
			Chemical Total	1E-03	--	5E-04	--	2E-03		7	--	2	9
		Exposure Point Total						2E-03					9
	Exposure Medium Total							2E-03					9

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	2E-07	--	--	2E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ARSENIC	--	4E-11	--	--	4E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-07	--	--	2E-07		- -	1	- -	1
		Exposure Point Total						2E-07					1
	Exposure Medium Total							2E-07					1
Medium Total								2E-03					11
Receptor Total							Receptor Risk Total	2E-03				Receptor HI Total	35

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	4
Total Autoimmune HI	29
Total Blood HI	0.5
Total Body Weight HI	0.009
Total CNS HI	0.02
Total CVS HI	0.1
Total GS HI	0.5
Total Kidney HI	0.10
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.01
Total Skin HI	0.1
Total Respiratory HI	0.00009
Total NA HI	0.002

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.03	- -	0.003	0.04
			1,2,4-TRICHLOROBENZENE	7E-07	--	6E-08	--	7E-07	Adrenals	0.01	- -	0.001	0.01
			1,4-DICHLOROBENZENE	4E-10	--	3E-11	--	4E-10	NA	0.000006	- -	0.0000005	0.000006
			BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	2E-05	--	9E-06	--	3E-05	Autoimmune	3	- -	1	4
			AROCLOR-1260	6E-05	--	3E-05	--	9E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0003	0.002
			ARSENIC	1E-06	--	9E-08	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00006	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0007	- -	0.0003	0.0010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0003	- -	0.000009	0.0003
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0002	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0009	0.002
			Chemical Total	1E-04	--	4E-05	--	1E-04		3	--	1	5
		Exposure Point Total						1E-04					5
	Exposure Medium Total							1E-04					5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	7E-09	--	--	7E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	6E-11	--	--	6E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.2	- -	0.2
		Exposure Point Total						1E-08					0.2
	Exposure Medium Total							1E-08					0.2
Medium Total								1E-04					5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.4	- -	0.03	0.4
			1,2,4-TRICHLOROBENZENE	6E-06	--	6E-07	--	7E-06	Adrenals	0.1	- -	0.01	0.1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	1E-09	--	2E-08	NA	0.0003	- -	0.00002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000006	- -	0.000002	0.000009
			AROCLOR-1254	6E-06	--	2E-06	--	8E-06	Autoimmune	0.8	- -	0.4	1
			AROCLOR-1260	4E-04	--	2E-04	--	6E-04	NA	--	- -	--	--
			ARSENIC	7E-07	--	6E-08	--	7E-07	Skin, CVS	0.009	- -	0.0008	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0007	0.02
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00003	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0001	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0003	- -	0.0003	0.0006
			Chemical Total	4E-04	--	2E-04	--	6E-04		1	--	0.4	2
		Exposure Point Total						6E-04					2
	Exposure Medium Total							6E-04					2

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	3E-07	--	--	3E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-09	--	--	5E-09	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-07	--	--	3E-07		- -	1	- -	1
		Exposure Point Total						3E-07					1
	Exposure Medium Total							3E-07					1
Medium Total								6E-04					3
Receptor Total							Receptor Risk Total	8E-04				Receptor HI Total	8

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	6
Total Blood HI	0.09
Total Body Weight HI	0.002
Total CNS HI	0.004
Total CVS HI	0.02
Total GS HI	0.09
Total Kidney HI	0.02
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.00009
Total NA HI	0.0003

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.02	- -	0.002	0.02
			1,2,4-TRICHLOROBENZENE	4E-07	--	5E-08	--	4E-07	Adrenals	0.008	- -	0.0009	0.009
			1,4-DICHLOROBENZENE	2E-10	--	2E-11	--	2E-10	NA	0.000003	- -	0.0000004	0.000004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	7E-06	--	2E-05	Autoimmune	2	- -	1.0	3
			AROCLOR-1260	4E-05	--	2E-05	--	6E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0009	- -	0.0002	0.001
			ARSENIC	6E-07	--	7E-08	--	6E-07	Skin, CVS	0.007	- -	0.0009	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00005	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0002	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000006	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	5E-05	--	3E-05	--	8E-05		2	--	1.0	3
		Exposure Point Total						8E-05					3
	Exposure Medium Total							8E-05					3

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	7E-09	--	--	7E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	6E-11	--	--	6E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.2	- -	0.2
		Exposure Point Total						1E-08					0.2
	Exposure Medium Total							1E-08					0.2
Medium Total								8E-05					3

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.02	0.2
			1,2,4-TRICHLOROBENZENE	4E-06	--	4E-07	--	4E-06	Adrenals	0.07	- -	0.008	0.08
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	9E-09	--	1E-09	--	1E-08	NA	0.0001	- -	0.00002	0.0002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000002	0.000005
			AROCLOR-1254	3E-06	--	2E-06	--	5E-06	Autoimmune	0.5	- -	0.3	0.7
			AROCLOR-1260	2E-04	--	1E-04	--	4E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	5E-08	--	4E-07	Skin, CVS	0.005	- -	0.0006	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.0005	0.01
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0007	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0001	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	7E-08	--	1E-07	None Reported	0.0002	- -	0.0003	0.0004
			Chemical Total	2E-04	--	1E-04	--	4E-04		0.8	--	0.3	1
		Exposure Point Total						4E-04					1
	Exposure Medium Total							4E-04					1

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	3E-07	--	--	3E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-09	--	--	5E-09	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-10	--	--	5E-10	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-07	--	--	3E-07		- -	1	- -	1
		Exposure Point Total						3E-07					1
	Exposure Medium Total							3E-07					1
Medium Total								4E-04					2
Receptor Total							Receptor Risk Total	5E-04				Receptor HI Total	5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.05
Total Body Weight HI	0.001
Total CNS HI	0.002
Total CVS HI	0.01
Total GS HI	0.05
Total Kidney HI	0.01
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.01
Total Respiratory HI	0.00009
Total NA HI	0.0002

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	3E-06	--	3E-07	--	3E-06					
			1,4-DICHLOROBENZENE	2E-09	--	1E-10	--	2E-09					
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05					
			AROCLOR-1254	9E-05	--	4E-05	--	1E-04					
			AROCLOR-1260	3E-04	--	1E-04	--	4E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	4E-06	--	4E-07	--	4E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	4E-04	--	2E-04	--	6E-04					
		Exposure Point Total						6E-04					
	Exposure Medium Total							6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	2E-08	--	--	2E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1254	--	6E-10	--	--	6E-10					
			AROCLOR-1260	--	2E-09	--	--	2E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	3E-10	--	--	3E-10					
			CADMIUM	--	1E-10	--	--	1E-10					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	9E-11	--	--	9E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09					
			Chemical Total	--	3E-08	--	--	3E-08					
		Exposure Point Total						3E-08					
	Exposure Medium Total							3E-08					
Medium Total								6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	3E-05	--	2E-06	--	3E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	7E-08	--	6E-09	--	8E-08					
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	9E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	2E-05	--	1E-05	--	3E-05					
			AROCLOR-1260	2E-03	--	7E-04	--	3E-03					
			ARSENIC	3E-06	--	3E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06					
			Chemical Total	2E-03	--	8E-04	--	3E-03					
		Exposure Point Total						3E-03					
	Exposure Medium Total							3E-03					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	8E-07	--	--	8E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			NAPHTHALENE	--	4E-09	--	--	4E-09					
			AROCLOR-1254	--	2E-10	--	--	2E-10					
			AROCLOR-1260	--	1E-08	--	--	1E-08					
			ARSENIC	--	2E-10	--	--	2E-10					
			COBALT	--	1E-09	--	--	1E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09					
			Chemical Total	--	8E-07	--	--	8E-07					
		Exposure Point Total						8E-07					
	Exposure Medium Total							8E-07					
Medium Total								3E-03					
Receptor Total							Receptor Risk Total	3E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.3	- -	0.02	0.3
			1,2,4-TRICHLOROBENZENE	2E-06	--	2E-07	--	3E-06	Adrenals	0.10	- -	0.008	0.1
			1,4-DICHLOROBENZENE	1E-09	--	1E-10	--	1E-09	NA	0.00004	- -	0.000004	0.00005
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	9E-05	NA	--	- -	--	--
			AROCLOR-1254	8E-05	--	3E-05	--	1E-04	Autoimmune	23	- -	9	32
			AROCLOR-1260	2E-04	--	9E-05	--	3E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.09	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.004	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.02	- -	0.0004	0.02
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.007
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.002	- -	0.00006	0.002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.06
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.006	- -	0.006	0.01
			Chemical Total	4E-04	--	2E-04	--	5E-04		24	--	9	34
		Exposure Point Total						5E-04					34
	Exposure Medium Total							5E-04					34

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.9	- -	0.9
		Exposure Point Total						3E-08					0.9
	Exposure Medium Total							3E-08					0.9
Medium Total								5E-04					34

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	3	- -	0.2	3
			1,2,4-TRICHLOROBENZENE	2E-05	--	2E-06	--	2E-05	Adrenals	0.9	- -	0.08	1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	6E-08	--	5E-09	--	7E-08	NA	0.002	- -	0.0002	0.002
			BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00005	- -	0.00002	0.00006
			AROCLOR-1254	2E-05	--	8E-06	--	3E-05	Autoimmune	6	- -	2	9
			AROCLOR-1260	2E-03	--	6E-04	--	2E-03	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	3E-06	Skin, CVS	0.06	- -	0.005	0.07
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.009	- -	0.0002	0.009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0010	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-03	--	6E-04	--	2E-03		10	--	3	13
		Exposure Point Total						2E-03					13
	Exposure Medium Total							2E-03					13

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	7E-07	--	--	7E-07		- -	5	- -	5
		Exposure Point Total						7E-07					5
	Exposure Medium Total							7E-07					5
Medium Total								2E-03					18
Receptor Total							Receptor Risk Total	3E-03				Receptor HI Total	52

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	10
Total Autoimmune HI	41
Total Blood HI	0.7
Total Body Weight HI	0.01
Total CNS HI	0.03
Total CVS HI	0.2
Total GS HI	0.6
Total Kidney HI	0.1
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.0004
Total NA HI	0.002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.05	- -	0.004	0.05
			1,2,4-TRICHLOROBENZENE	9E-07	--	8E-08	--	1E-06	Adrenals	0.02	- -	0.002	0.02
			1,4-DICHLOROBENZENE	5E-10	--	5E-11	--	6E-10	NA	0.000008	- -	0.0000007	0.000009
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-05	--	1E-05	--	4E-05	Autoimmune	4	- -	2	6
			AROCLOR-1260	9E-05	--	4E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.003
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0008	0.007
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.10
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00009	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0010	- -	0.0004	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	1E-04	--	6E-05	--	2E-04		5	--	2	6
		Exposure Point Total						2E-04					6
	Exposure Medium Total							2E-04					6

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	3E-08	--	--	3E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	5E-08	--	--	5E-08		- -	0.9	- -	0.9
		Exposure Point Total						5E-08					0.9
	Exposure Medium Total							5E-08					0.9
Medium Total								2E-04					7

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.5	- -	0.04	0.5
			1,2,4-TRICHLOROBENZENE	9E-06	--	8E-07	--	9E-06	Adrenals	0.2	- -	0.02	0.2
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	2E-09	--	3E-08	NA	0.0004	- -	0.00003	0.0004
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000009	- -	0.000003	0.00001
			AROCLOR-1254	8E-06	--	3E-06	--	1E-05	Autoimmune	1	- -	0.5	2
			AROCLOR-1260	6E-04	--	2E-04	--	8E-04	NA	--	- -	--	--
			ARSENIC	9E-07	--	8E-08	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.0010	0.03
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0002	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	3E-07	--	6E-07	None Reported	0.0004	- -	0.0005	0.0009
			Chemical Total	6E-04	--	3E-04	--	9E-04		2	--	0.6	3
		Exposure Point Total						9E-04					3
	Exposure Medium Total							9E-04					3

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	1E-06	--	--	1E-06	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-06	--	--	1E-06		- -	5	- -	5
		Exposure Point Total						1E-06					5
	Exposure Medium Total							1E-06					5
Medium Total								9E-04					7
Receptor Total							Receptor Risk Total	1E-03				Receptor HI Total	15

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	6
Total Autoimmune HI	8
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CNS HI	0.006
Total CVS HI	0.03
Total GS HI	0.1
Total Kidney HI	0.03
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.003
Total Skin HI	0.03
Total Respiratory HI	0.0004
Total NA HI	0.0006

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.03	- -	0.003	0.03
			1,2,4-TRICHLOROBENZENE	5E-07	--	6E-08	--	6E-07	Adrenals	0.01	- -	0.001	0.01
			1,4-DICHLOROBENZENE	3E-10	--	3E-11	--	3E-10	NA	0.000005	- -	0.0000005	0.000005
			BENZO(A)PYRENE EQUIVALENTS	3E-06	--	1E-06	--	4E-06	NA	--	- -	--	--
			AROCLOR-1254	2E-05	--	9E-06	--	3E-05	Autoimmune	2	- -	1	4
			AROCLOR-1260	5E-05	--	3E-05	--	8E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0003	0.002
			ARSENIC	8E-07	--	9E-08	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0006	0.004
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00007	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0003	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000009	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	7E-05	--	4E-05	--	1E-04		3	--	1	4
		Exposure Point Total						1E-04					4
	Exposure Medium Total							1E-04					4

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	3E-08	--	--	3E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.9	- -	0.9
		Exposure Point Total						4E-08					0.9
	Exposure Medium Total							4E-08					0.9
Medium Total								1E-04					5

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.3	- -	0.03	0.3
			1,2,4-TRICHLOROBENZENE	5E-06	--	6E-07	--	6E-06	Adrenals	0.10	- -	0.01	0.1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	2E-09	--	1E-08	NA	0.0002	- -	0.00002	0.0002
			BENZO(A)PYRENE EQUIVALENTS	3E-06	--	2E-06	--	4E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000005	- -	0.000003	0.000007
			AROCLOR-1254	5E-06	--	3E-06	--	7E-06	Autoimmune	0.7	- -	0.4	1
			AROCLOR-1260	3E-04	--	2E-04	--	5E-04	NA	--	- -	--	--
			ARSENIC	5E-07	--	6E-08	--	6E-07	Skin, CVS	0.007	- -	0.0008	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0007	0.02
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00004	0.0010
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0002	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-08	--	9E-08	--	1E-07	None Reported	0.0002	- -	0.0004	0.0006
			Chemical Total	3E-04	--	2E-04	--	5E-04		1	--	0.4	2
		Exposure Point Total						5E-04					2
	Exposure Medium Total							5E-04					2

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	1E-06	--	--	1E-06	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-06	--	--	1E-06		- -	5	- -	5
		Exposure Point Total						1E-06					5
	Exposure Medium Total							1E-06					5
Medium Total								5E-04					6
Receptor Total							Receptor Risk Total	6E-04				Receptor HI Total	11

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	6
Total Autoimmune HI	5
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.004
Total CVS HI	0.02
Total GS HI	0.07
Total Kidney HI	0.02
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.0004
Total NA HI	0.0004

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	4E-06	--	4E-07	--	4E-06					
			1,4-DICHLOROBENZENE	2E-09	--	2E-10	--	2E-09					
			BENZO(A)PYRENE EQUIVALENTS	8E-05	--	3E-05	--	1E-04					
			AROCLOR-1254	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1260	4E-04	--	2E-04	--	5E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	6E-06	--	5E-07	--	6E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	6E-04	--	2E-04	--	8E-04					
		Exposure Point Total						8E-04					
	Exposure Medium Total							8E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	7E-08	--	--	7E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1254	--	3E-09	--	--	3E-09					
			AROCLOR-1260	--	8E-09	--	--	8E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	1E-09	--	--	1E-09					
			CADMIUM	--	6E-10	--	--	6E-10					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								8E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	4E-05	--	3E-06	--	4E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	1E-07	--	9E-09	--	1E-07					
			BENZO(A)PYRENE EQUIVALENTS	9E-05	--	3E-05	--	1E-04					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	3E-05	--	1E-05	--	5E-05					
			AROCLOR-1260	2E-03	--	1E-03	--	4E-03					
			ARSENIC	4E-06	--	4E-07	--	4E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	3E-03	--	1E-03	--	4E-03					
		Exposure Point Total						4E-03					
	Exposure Medium Total							4E-03					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	3E-06	--	--	3E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10					
			NAPHTHALENE	--	2E-08	--	--	2E-08					
			AROCLOR-1254	--	7E-10	--	--	7E-10					
			AROCLOR-1260	--	5E-08	--	--	5E-08					
			ARSENIC	--	8E-10	--	--	8E-10					
			COBALT	--	5E-09	--	--	5E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08					
			Chemical Total	--	3E-06	--	--	3E-06					
		Exposure Point Total						3E-06					
	Exposure Medium Total							3E-06					
Medium Total								4E-03					
Receptor Total							Receptor Risk Total	5E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-06	--	8E-07	--	4E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	4E-09	--	2E-08	Autoimmune	0.02	- -	0.006	0.03
			AROCLOR-1260	2E-08	--	6E-09	--	3E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			ARSENIC	3E-07	--	2E-08	--	3E-07	Skin, CVS	0.05	- -	0.003	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			COBALT	- -	--	- -	--	- -	Thyroid	0.01	--	0.0002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.02
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.06	- -	0.001	0.06
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0003	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	7E-08	--	2E-07	None Reported	0.004	- -	0.003	0.008
			Chemical Total	3E-06	--	9E-07	--	4E-06		0.2	--	0.02	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.03	- -	0.03
			CADMIUM	--	5E-09	--	--	5E-09	NA	- -	0.02	- -	0.02
			COBALT	--	1E-07	--	--	1E-07	Lungs	- -	0.2	- -	0.2
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.005	- -	0.005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-09	--	--	7E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-07	--	--	5E-07	Lungs	- -	0.004	- -	0.004
			Chemical Total	--	7E-07	--	--	7E-07		- -	0.3	- -	0.3
		Exposure Point Total						7E-07					0.3
	Exposure Medium Total							7E-07					0.3
Medium Total								5E-06					0.5

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.04	- -	0.010	0.05
			BENZO(A)PYRENE EQUIVALENTS	1E-07	--	3E-08	--	1E-07	NA	--	- -	--	--
			AROCLOR-1260	2E-09	--	7E-10	--	3E-09	NA	--	- -	--	--
			ARSENIC	2E-07	--	1E-08	--	3E-07	Skin, CVS	0.04	- -	0.002	0.04
			COBALT	- -	--	- -	--	- -	Thyroid	0.03	- -	0.0006	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-08	--	3E-08	--	6E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	4E-07	--	7E-08	--	5E-07		0.1	--	0.02	0.1
		Exposure Point Total						5E-07					0.1
	Exposure Medium Total							5E-07					0.1
	Air	Block F	NAPHTHALENE	--	2E-06	--	--	2E-06	Respiratory	- -	1	- -	1
			BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			ARSENIC	--	2E-08	--	--	2E-08	NA	- -	0.03	- -	0.03
			COBALT	--	4E-07	--	--	4E-07	Lungs	- -	0.5	- -	0.5
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	2E-06	--	--	2E-06		- -	2	- -	2
		Exposure Point Total						2E-06					2
	Exposure Medium Total							2E-06					2
Medium Total								3E-06					2
Receptor Total							Receptor Risk Total	8E-06				Receptor HI Total	2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.05
Total Blood HI	0.02
Total Body Weight HI	0.07
Total CVS HI	0.09
Total Kidney HI	0.04
Total Lungs HI	0.7
Total None Reported HI	0.01
Total Skin HI	0.09
Total Respiratory HI	1
Total NA HI	0.08
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	6E-08	--	1E-07	Autoimmune	0.002	- -	0.004	0.007
			AROCLOR-1260	6E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.003
			ARSENIC	8E-07	--	3E-07	--	1E-06	Skin, CVS	0.005	- -	0.002	0.007
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0006	- -	0.0003	0.0009
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.003	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.006	- -	0.0008	0.007
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.001	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.002	0.003
			Chemical Total	9E-06	--	2E-05	--	2E-05		0.03	--	0.02	0.05
		Exposure Point Total						2E-05					0.05
	Exposure Medium Total							2E-05					0.05
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								2E-05					0.05

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.004	- -	0.007	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	2E-07	--	9E-07	Skin, CVS	0.004	- -	0.002	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.004	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	5E-07	--	5E-07	None Reported	0.0002	- -	0.0008	0.001
			Chemical Total	1E-06	--	1E-06	--	2E-06		0.04	--	0.01	0.06
		Exposure Point Total						2E-06					0.06
	Exposure Medium Total							2E-06					0.06
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.2	- -	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Industrial Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.05
Total Body Weight HI	0.01
Total CVS HI	0.01
Total Kidney HI	0.009
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.01
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	3E-05	--	1E-04	NA	--	- -	--	--
			AROCLOR-1254	8E-08	--	3E-08	--	1E-07	Autoimmune	0.02	- -	0.008	0.03
			AROCLOR-1260	1E-07	--	4E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.05	- -	0.004	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.06	- -	0.001	0.06
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0008	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	1E-04	--	3E-05	--	1E-04		0.3	--	0.03	0.4
		Exposure Point Total						1E-04					0.4
	Exposure Medium Total							1E-04					0.4
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	9E-14	--	--	9E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000002	- -	0.000002
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00002	- -	0.00002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000005	- -	0.0000005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000005	- -	0.0000005
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00003	- -	0.00003
		Exposure Point Total						2E-09					0.00003
	Exposure Medium Total							2E-09					0.00003
Medium Total								1E-04					0.4

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.04	- -	0.01	0.05
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	2E-06	Skin, CVS	0.04	- -	0.003	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.007	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0009	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.001	0.003
			Chemical Total	6E-06	--	2E-06	--	8E-06		0.4	--	0.03	0.4
		Exposure Point Total						8E-06					0.4
	Exposure Medium Total							8E-06					0.4
	Air	Block F	NAPHTHALENE	--	4E-07	--	--	4E-07	Respiratory	- -	0.05	- -	0.05
			BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000003	- -	0.000003
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00006	- -	0.00006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.05	- -	0.05
		Exposure Point Total						4E-07					0.05
	Exposure Medium Total							4E-07					0.05
Medium Total								9E-06					0.5
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.9

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.06
Total Blood HI	0.4
Total Body Weight HI	0.05
Total CVS HI	0.09
Total Kidney HI	0.08
Total Lungs HI	0.00008
Total None Reported HI	0.01
Total Skin HI	0.09
Total Respiratory HI	0.05
Total NA HI	0.00001

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	2E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	4E-08	--	7E-08	Autoimmune	0.004	- -	0.005	0.010
			AROCLOR-1260	5E-08	--	6E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.002	0.005
			ARSENIC	7E-07	--	2E-07	--	9E-07	Skin, CVS	0.009	- -	0.002	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0004	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.003	0.006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.01	- -	0.0010	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0006	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	2E-06	--	2E-06	None Reported	0.0008	- -	0.003	0.004
			Chemical Total	2E-05	--	2E-05	--	4E-05		0.06	--	0.02	0.08
		Exposure Point Total						4E-05					0.08
	Exposure Medium Total							4E-05					0.08
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-11	--	--	4E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000002	- -	0.000002
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00002	- -	0.00002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000005	- -	0.0000005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-11	--	--	1E-11	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000005	- -	0.0000005
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00003	- -	0.00003
		Exposure Point Total						2E-09					0.00003
	Exposure Medium Total							2E-09					0.00003
Medium Total								4E-05					0.08

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.007	- -	0.008	0.02
			BENZO(A)PYRENE EQUIVALENTS	7E-07	--	7E-07	--	1E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	6E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	1E-07	--	7E-07	Skin, CVS	0.007	- -	0.002	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.005	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0006	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	7E-07	--	9E-07	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.08	--	0.02	0.10
		Exposure Point Total						3E-06					0.10
	Exposure Medium Total							3E-06					0.10
	Air	Block F	NAPHTHALENE	--	9E-07	--	--	9E-07	Respiratory	- -	0.05	- -	0.05
			BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-14	--	--	3E-14	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000003	- -	0.000003
			COBALT	--	5E-10	--	--	5E-10	Lungs	- -	0.00006	- -	0.00006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	9E-07	--	--	9E-07		- -	0.05	- -	0.05
		Exposure Point Total						9E-07					0.05
	Exposure Medium Total							9E-07					0.05
Medium Total								4E-06					0.1
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.09
Total Body Weight HI	0.02
Total CVS HI	0.02
Total Kidney HI	0.02
Total Lungs HI	0.00008
Total None Reported HI	0.005
Total Skin HI	0.02
Total Respiratory HI	0.05
Total NA HI	0.00001

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1254	1E-07	--	6E-08	--	2E-07					
			AROCLOR-1260	2E-07	--	1E-07	--	3E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	3E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	1E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1254	--	3E-13	--	--	3E-13					
			AROCLOR-1260	--	4E-13	--	--	4E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	6E-11	--	--	6E-11					
			CADMIUM	--	1E-11	--	--	1E-11					
			COBALT	--	3E-10	--	--	3E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	2E-11	--	--	2E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	2E-06	--	6E-06					
			AROCLOR-1260	2E-08	--	1E-08	--	3E-08					
			ARSENIC	2E-06	--	2E-07	--	2E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	8E-06	--	4E-06	--	1E-05					
		Exposure Point Total						1E-05					
	Exposure Medium Total							1E-05					
	Air	Block F	NAPHTHALENE	--	1E-06	--	--	1E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	4E-12	--	--	4E-12					
			AROCLOR-1260	--	5E-14	--	--	5E-14					
			ARSENIC	--	5E-11	--	--	5E-11					
			COBALT	--	8E-10	--	--	8E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09					
			Chemical Total	--	1E-06	--	--	1E-06					
		Exposure Point Total						1E-06					
	Exposure Medium Total							1E-06					
Medium Total								1E-05					
Receptor Total							Receptor Risk Total	2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	6E-08	--	1E-07	Autoimmune	0.002	- -	0.004	0.007
			AROCLOR-1260	6E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.003
			ARSENIC	8E-07	--	3E-07	--	1E-06	Skin, CVS	0.005	- -	0.002	0.007
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0006	- -	0.0003	0.0009
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.003	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.006	- -	0.0008	0.007
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.001	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.002	0.003
			Chemical Total	9E-06	--	2E-05	--	2E-05		0.03	--	0.02	0.05
		Exposure Point Total						2E-05					0.05
	Exposure Medium Total							2E-05					0.05
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								2E-05					0.05

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.004	- -	0.007	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	2E-07	--	9E-07	Skin, CVS	0.004	- -	0.002	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.004	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	5E-07	--	5E-07	None Reported	0.0002	- -	0.0008	0.001
			Chemical Total	1E-06	--	1E-06	--	2E-06		0.04	--	0.01	0.06
		Exposure Point Total						2E-06					0.06
	Exposure Medium Total							2E-06					0.06
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.2	- -	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.05
Total Body Weight HI	0.01
Total CVS HI	0.01
Total Kidney HI	0.009
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.01
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-07	--	6E-08	--	2E-07	Autoimmune	0.04	- -	0.02	0.06
			AROCLOR-1260	3E-07	--	1E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.03	- -	0.006	0.04
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.09	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.01	0.04
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.1	- -	0.003	0.1
			NICKEL	- -	--	- -	--	- -	Body Weight	0.006	- -	0.004	0.010
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-06	--	6E-06	--	1E-05	None Reported	0.008	- -	0.009	0.02
			Chemical Total	2E-04	--	7E-05	--	3E-04		0.6	--	0.07	0.7
		Exposure Point Total						3E-04					0.7
	Exposure Medium Total							3E-04					0.7
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								3E-04					0.7

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.07	- -	0.03	0.10
			BENZO(A)PYRENE EQUIVALENTS	7E-06	--	2E-06	--	9E-06	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.006	0.08
			COBALT	- -	--	- -	--	- -	Blood	0.6	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	1E-05	--	5E-06	--	2E-05		0.8	--	0.06	0.9
		Exposure Point Total						2E-05					0.9
		Exposure Medium Total						2E-05					0.9
	Air	Block F	NAPHTHALENE	--	2E-06	--	--	2E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-14	--	--	6E-14	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.00001	- -	0.00001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	2E-06	--	--	2E-06		- -	0.2	- -	0.2
		Exposure Point Total						2E-06					0.2
		Exposure Medium Total						2E-06					0.2
Medium Total								2E-05					1
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.1
Total Blood HI	0.8
Total Body Weight HI	0.1
Total CVS HI	0.2
Total Kidney HI	0.2
Total Lungs HI	0.0003
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-08	--	2E-08	--	8E-08	Autoimmune	0.008	- -	0.003	0.01
			AROCLOR-1260	9E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.001	0.007
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.007
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.02	- -	0.0007	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	4E-05	--	2E-05	--	5E-05		0.1	--	0.01	0.1
		Exposure Point Total						5E-05					0.1
	Exposure Medium Total							5E-05					0.1
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-13	--	--	7E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	8E-10	--	--	8E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	4E-11	--	--	4E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	9E-09	--	--	9E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						9E-09					0.0001
	Exposure Medium Total							9E-09					0.0001
Medium Total								5E-05					0.1

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.005	0.02
			BENZO(A)PYRENE EQUIVALENTS	1E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	8E-07	None Reported	0.0006	- -	0.0007	0.001
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.01	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block F	NAPHTHALENE	--	3E-06	--	--	3E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	3E-06	--	--	3E-06		- -	0.2	- -	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
Medium Total								7E-06					0.4
Receptor Total							Receptor Risk Total	6E-05				Receptor HI Total	0.5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.2
Total Body Weight HI	0.02
Total CVS HI	0.03
Total Kidney HI	0.03
Total Lungs HI	0.0003
Total None Reported HI	0.005
Total Skin HI	0.03
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	7E-06	--	4E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	2E-08	--	5E-08	Autoimmune	0.005	- -	0.003	0.007
			AROCLOR-1260	5E-08	--	3E-08	--	8E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0009	0.004
			ARSENIC	8E-07	--	9E-08	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0009	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.002	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.01	- -	0.0005	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0006	- -	0.0006	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	4E-07	--	6E-07	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.07	--	0.01	0.08
		Exposure Point Total						1E-05					0.08
	Exposure Medium Total							1E-05					0.08
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-13	--	--	7E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	8E-10	--	--	8E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	4E-11	--	--	4E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	4E-09	--	--	4E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						4E-09					0.0001
	Exposure Medium Total							4E-09					0.0001
Medium Total								1E-05					0.08

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.008	- -	0.004	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	1E-07	--	4E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	3E-09	--	9E-09	NA	--	- -	--	--
			ARSENIC	6E-07	--	7E-08	--	7E-07	Skin, CVS	0.008	- -	0.0009	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	1E-07	--	2E-07	None Reported	0.0003	- -	0.0005	0.0008
			Chemical Total	1E-06	--	3E-07	--	1E-06		0.09	--	0.009	0.09
		Exposure Point Total						1E-06					0.09
	Exposure Medium Total							1E-06					0.09
	Air	Block F	NAPHTHALENE	--	3E-06	--	--	3E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	3E-06	--	--	3E-06		- -	0.2	- -	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
Medium Total								5E-06					0.3
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.4

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.09
Total Body Weight HI	0.01
Total CVS HI	0.02
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	9E-05	--	3E-04					
			AROCLOR-1254	2E-07	--	1E-07	--	3E-07					
			AROCLOR-1260	4E-07	--	2E-07	--	6E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	6E-06	--	5E-07	--	6E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	7E-06	--	8E-06	--	1E-05					
			Chemical Total	2E-04	--	9E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1254	--	2E-12	--	--	2E-12					
			AROCLOR-1260	--	3E-12	--	--	3E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	4E-10	--	--	4E-10					
			CADMIUM	--	7E-11	--	--	7E-11					
			COBALT	--	2E-09	--	--	2E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	8E-06	--	3E-06	--	1E-05					
			AROCLOR-1260	4E-08	--	2E-08	--	6E-08					
			ARSENIC	4E-06	--	4E-07	--	5E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	5E-06					
			Chemical Total	2E-05	--	6E-06	--	2E-05					
		Exposure Point Total						2E-05					
	Exposure Medium Total							2E-05					
	Air	Block F	NAPHTHALENE	--	8E-06	--	--	8E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11					
			AROCLOR-1260	--	3E-13	--	--	3E-13					
			ARSENIC	--	3E-10	--	--	3E-10					
			COBALT	--	5E-09	--	--	5E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09					
			Chemical Total	--	8E-06	--	--	8E-06					
		Exposure Point Total						8E-06					
	Exposure Medium Total							8E-06					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-04	--	9E-05	--	4E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-07	--	8E-08	--	3E-07	Autoimmune	0.06	- -	0.02	0.09
			AROCLOR-1260	4E-07	--	1E-07	--	5E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.04	- -	0.008	0.05
			ARSENIC	5E-06	--	4E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.04	- -	0.01	0.05
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.2	- -	0.005	0.2
			NICKEL	- -	--	- -	--	- -	Body Weight	0.008	- -	0.006	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.09	- -	0.003	0.09
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-06	--	9E-06	--	2E-05	None Reported	0.01	- -	0.01	0.02
			Chemical Total	3E-04	--	1E-04	--	4E-04		0.9	--	0.09	1.0
		Exposure Point Total						4E-04					1.0
	Exposure Medium Total							4E-04					1.0
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	9E-10	--	--	9E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.00004	- -	0.00004
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						3E-08					0.0005
	Exposure Medium Total							3E-08					0.0005
Medium Total								4E-04					1.0

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.1	- -	0.04	0.1
			BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	4E-08	--	1E-08	--	5E-08	NA	--	- -	--	--
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.8	- -	0.02	0.8
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.005	0.009
			Chemical Total	2E-05	--	7E-06	--	2E-05		1	--	0.08	1
		Exposure Point Total						2E-05					1
	Exposure Medium Total							2E-05					1
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.8	- -	0.8
		Exposure Point Total						7E-06					0.8
	Exposure Medium Total							7E-06					0.8
Medium Total								3E-05					2
Receptor Total							Receptor Risk Total	4E-04				Receptor HI Total	3

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.2
Total Blood HI	1
Total Body Weight HI	0.2
Total CVS HI	0.3
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.03
Total Skin HI	0.3
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05	NA	--	- -	--	--
			AROCLOR-1254	8E-08	--	3E-08	--	1E-07	Autoimmune	0.01	- -	0.005	0.02
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.008	- -	0.002	0.01
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.007	- -	0.003	0.010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.03	- -	0.0009	0.03
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06	None Reported	0.002	- -	0.003	0.005
			Chemical Total	5E-05	--	2E-05	--	7E-05		0.2	--	0.02	0.2
		Exposure Point Total						7E-05					0.2
	Exposure Medium Total							7E-05					0.2
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	9E-10	--	--	9E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-12	--	--	5E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	7E-10	--	--	7E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00004	- -	0.00004
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						4E-08					0.0005
	Exposure Medium Total							4E-08					0.0005
Medium Total								7E-05					0.2

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.02	- -	0.007	0.03
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	7E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	6E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0009	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0008	- -	0.0009	0.002
			Chemical Total	4E-06	--	1E-06	--	5E-06		0.2	--	0.02	0.2
		Exposure Point Total						5E-06					0.2
	Exposure Medium Total							5E-06					0.2
	Air	Block F	NAPHTHALENE	--	1E-05	--	--	1E-05	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-05	--	--	1E-05		- -	0.8	- -	0.8
		Exposure Point Total						1E-05					0.8
	Exposure Medium Total							1E-05					0.8
Medium Total								2E-05					1
Receptor Total							Receptor Risk Total	9E-05				Receptor HI Total	1

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.03
Total Blood HI	0.2
Total Body Weight HI	0.03
Total CVS HI	0.05
Total Kidney HI	0.04
Total Lungs HI	0.001
Total None Reported HI	0.006
Total Skin HI	0.05
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	5E-08	--	3E-08	--	7E-08	Autoimmune	0.007	- -	0.004	0.01
			AROCLOR-1260	8E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.005	- -	0.001	0.006
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.002	0.006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.02	- -	0.0007	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0008	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.010	- -	0.0004	0.010
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	5E-07	--	8E-07	None Reported	0.001	- -	0.002	0.003
			Chemical Total	1E-05	--	6E-06	--	2E-05		0.09	--	0.01	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-12	--	--	5E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	7E-10	--	--	7E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00004	- -	0.00004
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						2E-08					0.0005
	Exposure Medium Total							2E-08					0.0005
Medium Total								2E-05					0.1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.006	0.02
			BENZO(A)PYRENE EQUIVALENTS	4E-07	--	2E-07	--	6E-07	NA	--	- -	--	--
			AROCLOR-1260	8E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	8E-07	--	1E-07	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.09
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	1E-06	--	5E-07	--	2E-06		0.1	--	0.01	0.1
		Exposure Point Total						2E-06					0.1
	Exposure Medium Total							2E-06					0.1
	Air	Block F	NAPHTHALENE	--	1E-05	--	--	1E-05	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-05	--	--	1E-05		- -	0.8	- -	0.8
		Exposure Point Total						1E-05					0.8
	Exposure Medium Total							1E-05					0.8
Medium Total								2E-05					0.9
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CVS HI	0.03
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.004
Total Skin HI	0.03
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-04	--	1E-04	--	4E-04					
			AROCLOR-1254	3E-07	--	1E-07	--	5E-07					
			AROCLOR-1260	6E-07	--	2E-07	--	8E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	8E-06	--	7E-07	--	9E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-05	--	1E-05	--	2E-05					
			Chemical Total	3E-04	--	1E-04	--	5E-04					
		Exposure Point Total						5E-04					
	Exposure Medium Total							5E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09					
			AROCLOR-1254	--	7E-12	--	--	7E-12					
			AROCLOR-1260	--	1E-11	--	--	1E-11					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	3E-10	--	--	3E-10					
			COBALT	--	8E-09	--	--	8E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-08	--	--	7E-08					
			Chemical Total	--	9E-08	--	--	9E-08					
		Exposure Point Total						9E-08					
	Exposure Medium Total							9E-08					
Medium Total								5E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	2E-05					
			AROCLOR-1260	6E-08	--	2E-08	--	8E-08					
			ARSENIC	6E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06					
			Chemical Total	2E-05	--	9E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block F	NAPHTHALENE	--	3E-05	--	--	3E-05					
			BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ARSENIC	--	1E-09	--	--	1E-09					
			COBALT	--	2E-08	--	--	2E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	3E-05	--	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
Medium Total								7E-05					
Receptor Total							Receptor Risk Total	5E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1254	2E-09	--	5E-10	--	2E-09	Autoimmune	0.003	- -	0.0008	0.004
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	8E-07	--	5E-08	--	8E-07	Skin, CVS	0.1	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.005	0.07
			COBALT	- -	--	- -	--	- -	Thyroid	0.06	- -	0.001	0.07
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.008	0.04
			NICKEL	- -	--	- -	--	- -	Body Weight	0.04	- -	0.02	0.06
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	4E-08	--	8E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	3E-06	--	6E-07	--	3E-06		0.4	--	0.05	0.4
		Exposure Point Total						3E-06					0.4
	Exposure Medium Total							3E-06					0.4
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	9E-09	--	--	9E-09	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-08	--	--	8E-08	NA	- -	0.08	- -	0.08
			CADMIUM	--	6E-08	--	--	6E-08	NA	- -	0.2	- -	0.2
			COBALT	--	8E-07	--	--	8E-07	Lungs	- -	1	- -	1
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.010	- -	0.010
			NICKEL	--	1E-07	--	--	1E-07	Body Weight	- -	0.3	- -	0.3
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	1E-06	--	--	1E-06		- -	2	- -	2
		Exposure Point Total						1E-06					2
	Exposure Medium Total							1E-06					2
Medium Total								5E-06					2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000004	0.00002
			BENZO(A)PYRENE EQUIVALENTS	6E-07	--	2E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	2E-09	--	5E-10	--	2E-09	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.06	- -	0.003	0.06
			COBALT	- -	--	- -	--	- -	Thyroid	0.05	- -	0.0010	0.05
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.00008	0.004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00006	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	3E-08	--	7E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	1E-06	--	2E-07	--	1E-06		0.2	--	0.009	0.3
		Exposure Point Total						1E-06					0.3
	Exposure Medium Total							1E-06					0.3
	Air	Block G	NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.0005	- -	0.0005
			BENZO(A)PYRENE EQUIVALENTS	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			ARSENIC	--	4E-08	--	--	4E-08	NA	- -	0.04	- -	0.04
			COBALT	--	6E-07	--	--	6E-07	Lungs	- -	0.8	- -	0.8
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.4	- -	0.4
			MERCURY	--	- -	--	--	- -	NA	- -	0.00007	- -	0.00007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	9E-07	--	--	9E-07		- -	1	- -	1
		Exposure Point Total						9E-07					1
	Exposure Medium Total							9E-07					1
Medium Total								2E-06					2
Receptor Total							Receptor Risk Total	7E-06				Receptor HI Total	4

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.04
Total Blood HI	0.02
Total Body Weight HI	0.3
Total CNS HI	0.4
Total CVS HI	0.2
Total GS HI	0.1
Total Kidney HI	0.1
Total Lungs HI	2
Total None Reported HI	0.007
Total Skin HI	0.2
Total Respiratory HI	0.0005
Total NA HI	0.4
Total Thyroid HI	0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	8E-09	--	1E-08	Autoimmune	0.0003	- -	0.0005	0.0008
			AROCLOR-1260	9E-08	--	2E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.004
			ARSENIC	2E-06	--	8E-07	--	3E-06	Skin, CVS	0.01	- -	0.005	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.004	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.009	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.006	0.008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	7E-06	--	1E-05	--	2E-05		0.10	--	0.04	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0008	- -	0.0008
		Exposure Point Total						1E-08					0.0008
	Exposure Medium Total							1E-08					0.0008
Medium Total								2E-05					0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	9E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.007	0.06
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00006	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00002	- -	0.00004	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	3E-06	--	4E-06	--	6E-06		0.07	--	0.01	0.09
		Exposure Point Total						6E-06					0.09
	Exposure Medium Total							6E-06					0.09
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								6E-06					0.09
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.2

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CNS HI	0.0007
Total CVS HI	0.03
Total GS HI	0.01
Total Kidney HI	0.02
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	3E-09	--	1E-08	Autoimmune	0.003	- -	0.0010	0.004
			AROCLOR-1260	2E-07	--	7E-08	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	5E-06	--	3E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.006	0.07
			COBALT	- -	--	- -	--	- -	Blood	0.7	- -	0.02	0.7
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.010	0.04
			NICKEL	- -	--	- -	--	- -	Body Weight	0.04	- -	0.02	0.06
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0007	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	7E-05	--	2E-05	--	9E-05		1.0	--	0.07	1
		Exposure Point Total						9E-05					1
	Exposure Medium Total							9E-05					1
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-14	--	--	1E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000010	- -	0.000010
			CADMIUM	--	4E-11	--	--	4E-11	NA	- -	0.00003	- -	0.00003
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00003	- -	0.00003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								9E-05					1

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	6E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	4E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.00010	0.004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00008	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	2E-05	--	8E-06	--	3E-05		0.7	--	0.02	0.7
		Exposure Point Total						3E-05					0.7
	Exposure Medium Total							3E-05					0.7
	Air	Block G	NAPHTHALENE	--	2E-10	--	--	2E-10	Respiratory	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-14	--	--	1E-14	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00010	- -	0.00010
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00005	- -	0.00005
			MERCURY	--	- -	--	--	- -	NA	- -	8.70831E-09	- -	8.70831E-09
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						1E-09					0.0002
	Exposure Medium Total							1E-09					0.0002
Medium Total								3E-05					0.7
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	2

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.04
Total Blood HI	1
Total Body Weight HI	0.06
Total CNS HI	0.004
Total CVS HI	0.2
Total GS HI	0.1
Total Kidney HI	0.2
Total Lungs HI	0.0002
Total None Reported HI	0.007
Total Skin HI	0.2
Total Respiratory HI	0.00002
Total NA HI	0.00004

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	4E-09	--	8E-09	Autoimmune	0.0005	- -	0.0007	0.001
			AROCLOR-1260	8E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.002	0.006
			ARSENIC	2E-06	--	5E-07	--	2E-06	Skin, CVS	0.02	- -	0.006	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.004	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.01	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.007	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.02	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	9E-07	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	1E-05	--	1E-05	--	3E-05		0.2	--	0.05	0.2
		Exposure Point Total						3E-05					0.2
	Exposure Medium Total							3E-05					0.2
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.000010	- -	0.000010
			CADMIUM	--	8E-11	--	--	8E-11	NA	- -	0.00003	- -	0.00003
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00003	- -	0.00003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								3E-05					0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000003	0.000006
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	4E-06	--	8E-06	NA	--	- -	--	--
			AROCLOR-1260	4E-09	--	5E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.008	0.1
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0008	- -	0.00007	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00004	- -	0.00005	0.00009
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0007	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	5E-06	--	5E-06	--	1E-05		0.1	--	0.01	0.2
		Exposure Point Total						1E-05					0.2
	Exposure Medium Total							1E-05					0.2
	Air	Block G	NAPHTHALENE	--	3E-10	--	--	3E-10	Respiratory	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-14	--	--	3E-14	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00010	- -	0.00010
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00005	- -	0.00005
			MERCURY	--	- -	--	--	- -	NA	- -	8.70831E-09	- -	8.70831E-09
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								1E-05					0.2
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.2
Total Body Weight HI	0.02
Total CNS HI	0.0009
Total CVS HI	0.04
Total GS HI	0.02
Total Kidney HI	0.03
Total Lungs HI	0.0002
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.00002
Total NA HI	0.00004

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04					
			AROCLOR-1254	1E-08	--	8E-09	--	2E-08					
			AROCLOR-1260	3E-07	--	2E-07	--	5E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	8E-07	--	8E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11					
			AROCLOR-1254	--	3E-14	--	--	3E-14					
			AROCLOR-1260	--	7E-13	--	--	7E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-10	--	--	2E-10					
			CADMIUM	--	1E-10	--	--	1E-10					
			COBALT	--	2E-09	--	--	2E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	2E-10	--	--	2E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	1E-05	--	4E-05					
			AROCLOR-1260	2E-08	--	9E-09	--	2E-08					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	3E-05	--	1E-05	--	4E-05					
		Exposure Point Total						4E-05					
	Exposure Medium Total							4E-05					
	Air	Block G	NAPHTHALENE	--	5E-10	--	--	5E-10					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11					
			AROCLOR-1260	--	4E-14	--	--	4E-14					
			ARSENIC	--	7E-11	--	--	7E-11					
			COBALT	--	1E-09	--	--	1E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								4E-05					
Receptor Total							Receptor Risk Total	2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENT	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	8E-09	--	1E-08	Autoimmune	0.0003	- -	0.0005	0.0008
			AROCLOR-1260	9E-08	--	2E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.004
			ARSENIC	2E-06	--	8E-07	--	3E-06	Skin, CVS	0.01	- -	0.005	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.004	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.009	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.006	0.008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	7E-06	--	1E-05	--	2E-05		0.10	--	0.04	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block G	BENZO(A)PYRENE EQUIVALENT	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0008	- -	0.0008
		Exposure Point Total						1E-08					0.0008
	Exposure Medium Total							1E-08					0.0008
Medium Total								2E-05					0.1

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000004
			BENZO(A)PYRENE EQUIVALENT	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	9E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.007	0.06
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00006	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00002	- -	0.00004	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	3E-06	--	4E-06	--	6E-06		0.07	--	0.01	0.09
		Exposure Point Total						6E-06					0.09
	Exposure Medium Total							6E-06					0.09
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENT	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								6E-06					0.09
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.2

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CNS HI	0.0007
Total CVS HI	0.03
Total GS HI	0.01
Total Kidney HI	0.02
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALE	1E-04	--	4E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-08	--	7E-09	--	3E-08	Autoimmune	0.005	- -	0.002	0.008
			AROCLOR-1260	4E-07	--	2E-07	--	6E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.04	- -	0.007	0.05
			ARSENIC	9E-06	--	8E-07	--	1E-05	Skin, CVS	0.2	- -	0.02	0.3
			CADMIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.01	0.1
			COBALT	- -	--	- -	--	- -	Blood	1	- -	0.04	1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.05	- -	0.02	0.08
			NICKEL	- -	--	- -	--	- -	Body Weight	0.07	- -	0.05	0.1
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.06
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANIC	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	1E-04	--	5E-05	--	2E-04		2	--	0.2	2
		Exposure Point Total						2E-04					2
	Exposure Medium Total							2E-04					2
	Air	Block G	BENZO(A)PYRENE EQUIVALE	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	4E-14	--	--	4E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	9E-13	--	--	9E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	3E-10	--	--	3E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANIC	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						7E-09					0.0008
	Exposure Medium Total							7E-09					0.0008
Medium Total								2E-04					2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00003	- -	0.00001	0.00004
			BENZO(A)PYRENE EQUIVALE	4E-05	--	1E-05	--	5E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	9E-09	--	3E-08	NA	--	- -	--	--
			ARSENIC	4E-06	--	4E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.9	- -	0.03	1.0
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.008	- -	0.0002	0.008
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0002	0.0006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.09
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANIC	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06	None Reported	0.003	- -	0.004	0.007
			Chemical Total	5E-05	--	2E-05	--	6E-05		1	--	0.05	1
		Exposure Point Total						6E-05					1
	Exposure Medium Total							6E-05					1
	Air	Block G	NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALE	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-14	--	--	5E-14	NA	- -	--	- -	--
			ARSENIC	--	9E-11	--	--	9E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANIC	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						5E-09					0.0006
	Exposure Medium Total							5E-09					0.0006
Medium Total								6E-05					1
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	3

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.08
Total Blood HI	2
Total Body Weight HI	0.1
Total CNS HI	0.008
Total CVS HI	0.4
Total GS HI	0.2
Total Kidney HI	0.3
Total Lungs HI	0.0009
Total None Reported HI	0.02
Total Skin HI	0.4
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	8E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1254	7E-09	--	3E-09	--	1E-08	Autoimmune	0.001	- -	0.0004	0.001
			AROCLOR-1260	2E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.007	- -	0.001	0.009
			ARSENIC	3E-06	--	3E-07	--	4E-06	Skin, CVS	0.05	- -	0.004	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.007	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.01	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0009	0.002
			Chemical Total	3E-05	--	9E-06	--	3E-05		0.3	--	0.03	0.4
		Exposure Point Total						3E-05					0.4
	Exposure Medium Total							3E-05					0.4
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	8E-14	--	--	8E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	3E-10	--	--	3E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	5E-10	--	--	5E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	9E-09	--	--	9E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						9E-09					0.0008
	Exposure Medium Total							9E-09					0.0008
Medium Total								3E-05					0.4

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000005	- -	0.000002	0.000008
			BENZO(A)PYRENE EQUIVALENTS	7E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	8E-09	--	3E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00008	- -	0.00003	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	1E-06	None Reported	0.0006	- -	0.0008	0.001
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.3	--	0.010	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block G	NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						8E-09					0.0006
	Exposure Medium Total							8E-09					0.0006
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.6

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.4
Total Body Weight HI	0.02
Total CNS HI	0.002
Total CVS HI	0.07
Total GS HI	0.04
Total Kidney HI	0.05
Total Lungs HI	0.0009
Total None Reported HI	0.003
Total Skin HI	0.07
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	2E-09	--	6E-09	Autoimmune	0.0006	- -	0.0003	0.0009
			AROCLOR-1260	9E-08	--	5E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.001	0.005
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.005	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.006	- -	0.003	0.009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.008	- -	0.008	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0002	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	7E-06	--	3E-06	--	1E-05		0.2	--	0.02	0.2
		Exposure Point Total						1E-05					0.2
	Exposure Medium Total							1E-05					0.2
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	8E-14	--	--	8E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	3E-10	--	--	3E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	5E-10	--	--	5E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						7E-09					0.0008
	Exposure Medium Total							7E-09					0.0008
Medium Total								1E-05					0.2

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000002	0.000005
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	8E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	3E-09	--	7E-09	NA	--	- -	--	--
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.004	0.1
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00003	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00003	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0004	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	1E-07	--	2E-07	None Reported	0.0004	- -	0.0006	0.0009
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.007	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block G	NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	6E-09	--	--	6E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						6E-09					0.0006
	Exposure Medium Total							6E-09					0.0006
Medium Total								4E-06					0.2
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.4

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.3
Total Body Weight HI	0.02
Total CNS HI	0.001
Total CVS HI	0.04
Total GS HI	0.03
Total Kidney HI	0.03
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.04
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1254	3E-08	--	1E-08	--	4E-08					
			AROCLOR-1260	6E-07	--	3E-07	--	9E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	1E-05	--	1E-06	--	2E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	2E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10					
			AROCLOR-1254	--	2E-13	--	--	2E-13					
			AROCLOR-1260	--	4E-12	--	--	4E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	1E-09	--	--	1E-09					
			CADMIUM	--	8E-10	--	--	8E-10					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	1E-09	--	--	1E-09					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								2E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05					
			AROCLOR-1260	3E-08	--	1E-08	--	5E-08					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06					
			Chemical Total	6E-05	--	2E-05	--	8E-05					
		Exposure Point Total						8E-05					
	Exposure Medium Total							8E-05					
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1260	--	2E-13	--	--	2E-13					
			ARSENIC	--	5E-10	--	--	5E-10					
			COBALT	--	8E-09	--	--	8E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								8E-05					
Receptor Total							Receptor Risk Total	3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	1E-08	--	4E-08	Autoimmune	0.008	- -	0.003	0.01
			AROCLOR-1260	6E-07	--	2E-07	--	8E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.05	- -	0.01	0.06
			ARSENIC	1E-05	--	1E-06	--	1E-05	Skin, CVS	0.3	- -	0.03	0.4
			CADMIUM	- -	--	- -	--	- -	Kidney	0.2	- -	0.02	0.2
			COBALT	- -	--	- -	--	- -	Blood	2	- -	0.05	2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.08	- -	0.03	0.1
			NICKEL	- -	--	- -	--	- -	Body Weight	0.1	- -	0.07	0.2
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.08
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.006	- -	0.006	0.01
			Chemical Total	2E-04	--	6E-05	--	2E-04		3	--	0.2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.0004	- -	0.0004
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								2E-04					3

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.00001	0.00005
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.2	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	1	- -	0.04	1
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.01	- -	0.0003	0.01
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0002	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06	None Reported	0.005	- -	0.005	0.010
			Chemical Total	6E-05	--	2E-05	--	9E-05		2	--	0.07	2
		Exposure Point Total						9E-05					2
	Exposure Medium Total							9E-05					2
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.003	- -	0.003
		Exposure Point Total						2E-08					0.003
	Exposure Medium Total							2E-08					0.003
Medium Total								9E-05					2
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	5

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.1
Total Blood HI	3
Total Body Weight HI	0.2
Total CNS HI	0.01
Total CVS HI	0.5
Total GS HI	0.3
Total Kidney HI	0.4
Total Lungs HI	0.004
Total None Reported HI	0.02
Total Skin HI	0.5
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	4E-09	--	1E-08	Autoimmune	0.001	- -	0.0006	0.002
			AROCLOR-1260	2E-07	--	9E-08	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	5E-06	--	4E-07	--	5E-06	Skin, CVS	0.06	- -	0.006	0.07
			CADMIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.004	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.010	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.006	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.02	- -	0.01	0.03
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	4E-05	--	1E-05	--	5E-05		0.5	--	0.04	0.5
		Exposure Point Total						5E-05					0.5
	Exposure Medium Total							5E-05					0.5
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-09	--	--	2E-09	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	1E-09	--	--	1E-09	NA	- -	0.0004	- -	0.0004
			COBALT	--	2E-08	--	--	2E-08	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	2E-09	--	--	2E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.003	- -	0.003
		Exposure Point Total						4E-08					0.003
	Exposure Medium Total							4E-08					0.003
Medium Total								5E-05					0.5

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000008	- -	0.000003	0.00001
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.007	0.3
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00006	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00005	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0007	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	7E-07	--	1E-06	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	1E-05	--	5E-06	--	2E-05		0.4	--	0.01	0.4
		Exposure Point Total						2E-05					0.4
	Exposure Medium Total							2E-05					0.4
	Air	Block G	NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	1E-08	--	--	1E-08	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								2E-05					0.4
Receptor Total							Receptor Risk Total	7E-05				Receptor HI Total	0.9

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.6
Total Body Weight HI	0.03
Total CNS HI	0.003
Total CVS HI	0.1
Total GS HI	0.06
Total Kidney HI	0.08
Total Lungs HI	0.004
Total None Reported HI	0.004
Total Skin HI	0.1
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	6E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-09	--	3E-09	--	9E-09	Autoimmune	0.0008	- -	0.0005	0.001
			AROCLOR-1260	1E-07	--	7E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.002	0.007
			ARSENIC	3E-06	--	3E-07	--	3E-06	Skin, CVS	0.04	- -	0.004	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.008	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.005	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.01	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.3	--	0.03	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-09	--	--	2E-09	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	1E-09	--	--	1E-09	NA	- -	0.0004	- -	0.0004
			COBALT	--	2E-08	--	--	2E-08	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	2E-09	--	--	2E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								1E-05					0.3

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000002	0.000007
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	2E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.006	0.1
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00005	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00006	- -	0.00004	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0005	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0008	0.001
			Chemical Total	4E-06	--	2E-06	--	5E-06		0.2	--	0.01	0.2
		Exposure Point Total						5E-06					0.2
	Exposure Medium Total							5E-06					0.2
	Air	Block G	NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	1E-08	--	--	1E-08	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								5E-06					0.2
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.5

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.4
Total Body Weight HI	0.02
Total CNS HI	0.002
Total CVS HI	0.06
Total GS HI	0.04
Total Kidney HI	0.04
Total Lungs HI	0.004
Total None Reported HI	0.003
Total Skin HI	0.06
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04					
			AROCLOR-1254	4E-08	--	2E-08	--	6E-08					
			AROCLOR-1260	9E-07	--	4E-07	--	1E-06					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	2E-05	--	2E-06	--	2E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	2E-04	--	8E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-09	--	--	1E-09					
			AROCLOR-1254	--	9E-13	--	--	9E-13					
			AROCLOR-1260	--	2E-11	--	--	2E-11					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	4E-09	--	--	4E-09					
			CADMIUM	--	3E-09	--	--	3E-09					
			COBALT	--	5E-08	--	--	5E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	5E-09	--	--	5E-09					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								3E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	9E-05					
			AROCLOR-1260	5E-08	--	2E-08	--	7E-08					
			ARSENIC	9E-06	--	9E-07	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block G	NAPHTHALENE	--	1E-08	--	--	1E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ARSENIC	--	2E-09	--	--	2E-09					
			COBALT	--	4E-08	--	--	4E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	8E-08	--	--	8E-08					
		Exposure Point Total						8E-08					
	Exposure Medium Total							8E-08					
Medium Total								1E-04					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	6E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.010	- -	0.001	0.01
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.05	- -	0.003	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0009	- -	0.00008	0.001
			COBALT	- -	--	- -	--	- -	Thyroid	0.01	- -	0.0003	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0009	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.000009	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	3E-08	--	7E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	6E-06	--	2E-06	--	8E-06		0.1	--	0.009	0.1
		Exposure Point Total						8E-06					0.1
	Exposure Medium Total							8E-06					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-08	--	--	3E-08	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.04	- -	0.04
			CADMIUM	--	8E-10	--	--	8E-10	NA	- -	0.003	- -	0.003
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.2	- -	0.2
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-09	--	--	6E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	5E-07	--	--	5E-07		- -	0.3	- -	0.3
		Exposure Point Total						5E-07					0.3
	Exposure Medium Total							5E-07					0.3
Medium Total								8E-06					0.4

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-07	--	3E-08	--	2E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.000009	0.00004
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.06	- -	0.003	0.06
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	- -	0.0004	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0001	0.0006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-08	--	5E-08	--	1E-07	None Reported	0.003	- -	0.002	0.005
			Chemical Total	5E-07	--	1E-07	--	6E-07		0.10	--	0.007	0.1
		Exposure Point Total						6E-07					0.1
	Exposure Medium Total							6E-07					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	2E-09	--	--	2E-09	Respiratory	- -	0.001	- -	0.001
			ARSENIC	--	4E-08	--	--	4E-08	NA	- -	0.04	- -	0.04
			COBALT	--	3E-07	--	--	3E-07	Lungs	- -	0.3	- -	0.3
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0002	- -	0.0002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-07	--	--	3E-07	Lungs	- -	0.003	- -	0.003
			Chemical Total	--	6E-07	--	--	6E-07		- -	0.4	- -	0.4
		Exposure Point Total						6E-07					0.4
	Exposure Medium Total							6E-07					0.4
Medium Total								1E-06					0.5
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.9

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.004
Total Blood HI	0.01
Total Body Weight HI	0.02
Total CVS HI	0.1
Total Kidney HI	0.03
Total Lungs HI	0.6
Total None Reported HI	0.008
Total Skin HI	0.1
Total Respiratory HI	0.001
Total NA HI	0.08
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	3E-05	--	4E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0009	0.002
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00010	- -	0.00005	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	2E-05	--	3E-05	--	4E-05		0.03	--	0.008	0.03
		Exposure Point Total						4E-05					0.03
	Exposure Medium Total							4E-05					0.03
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								4E-05					0.03

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	9E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000006	0.000010
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00010	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.002	0.002
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.03	--	0.007	0.04
		Exposure Point Total						3E-06					0.04
	Exposure Medium Total							3E-06					0.04
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								3E-06					0.04
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.04
Total Body Weight HI	0.001
Total CVS HI	0.02
Total Kidney HI	0.007
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.010	- -	0.002	0.01
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0010	- -	0.00009	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.004	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.001	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0006	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	2E-04	--	6E-05	--	3E-04		0.3	--	0.01	0.3
		Exposure Point Total						3E-04					0.3
	Exposure Medium Total							3E-04					0.3
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	6E-13	--	--	6E-13	NA	- -	0.0000004	- -	0.0000004
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00003	- -	0.00003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00004	- -	0.00004
		Exposure Point Total						1E-09					0.00004
	Exposure Medium Total							1E-09					0.00004
Medium Total								3E-04					0.3

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.00001	0.00005
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0002	0.0007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0009	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	8E-06	--	3E-06	--	1E-05		0.3	--	0.01	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	4E-10	--	--	4E-10	Respiratory	- -	0.00005	- -	0.00005
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000002	- -	0.00000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00009	- -	0.00009
		Exposure Point Total						2E-09					0.00009
	Exposure Medium Total							2E-09					0.00009
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	0.6

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.005
Total Blood HI	0.4
Total Body Weight HI	0.004
Total CVS HI	0.1
Total Kidney HI	0.07
Total Lungs HI	0.00007
Total None Reported HI	0.009
Total Skin HI	0.1
Total Respiratory HI	0.00005
Total NA HI	0.000009

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-05	--	4E-05	--	8E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.001	0.003
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00006	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.002	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0007	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.000007	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	4E-05	--	4E-05	--	8E-05		0.05	--	0.010	0.06
		Exposure Point Total						8E-05					0.06
	Exposure Medium Total							8E-05					0.06
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	1E-12	--	--	1E-12	NA	- -	0.0000004	- -	0.0000004
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00003	- -	0.00003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-12	--	--	9E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00004	- -	0.00004
		Exposure Point Total						1E-09					0.00004
	Exposure Medium Total							1E-09					0.00004
Medium Total								8E-05					0.06

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	8E-07	--	8E-07	--	2E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000007	- -	0.000008	0.00001
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.003	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00009	- -	0.0001	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0006	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	1E-06	--	2E-06	None Reported	0.0005	- -	0.002	0.002
			Chemical Total	2E-06	--	2E-06	--	4E-06		0.06	--	0.009	0.07
		Exposure Point Total						4E-06					0.07
	Exposure Medium Total							4E-06					0.07
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	8E-10	--	--	8E-10	Respiratory	- -	0.00005	- -	0.00005
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00004	- -	0.00004
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000002	- -	0.00000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.00009	- -	0.00009
		Exposure Point Total						3E-09					0.00009
	Exposure Medium Total							3E-09					0.00009
Medium Total								4E-06					0.07
Receptor Total							Receptor Risk Total	8E-05				Receptor HI Total	0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CVS HI	0.03
Total Kidney HI	0.01
Total Lungs HI	0.00007
Total None Reported HI	0.004
Total Skin HI	0.03
Total Respiratory HI	0.00005
Total NA HI	0.000009

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	1E-04	--	3E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	2E-04	--	1E-04	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-11	--	--	7E-11					
			CADMIUM	--	2E-12	--	--	2E-12					
			COBALT	--	4E-10	--	--	4E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-11	--	--	1E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	2E-09	--	--	2E-09					
		Exposure Point Total						2E-09					
	Exposure Medium Total							2E-09					
Medium Total								3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	6E-06					
			Chemical Total	1E-05	--	6E-06	--	2E-05					
		Exposure Point Total						2E-05					
	Exposure Medium Total							2E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	5E-12	--	--	5E-12					
			NAPHTHALENE	--	1E-09	--	--	1E-09					
			ARSENIC	--	7E-11	--	--	7E-11					
			COBALT	--	6E-10	--	--	6E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								2E-05					
Receptor Total							Receptor Risk Total	3E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	3E-05	--	4E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0009	0.002
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00010	- -	0.00005	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	2E-05	--	3E-05	--	4E-05		0.03	--	0.008	0.03
		Exposure Point Total						4E-05					0.03
	Exposure Medium Total							4E-05					0.03
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								4E-05					0.03

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	9E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000006	0.000010
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00010	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.002	0.002
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.03	--	0.007	0.04
		Exposure Point Total						3E-06					0.04
	Exposure Medium Total							3E-06					0.04
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								3E-06					0.04
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.04
Total Body Weight HI	0.001
Total CVS HI	0.02
Total Kidney HI	0.007
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	4E-04	--	1E-04	--	5E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.006	- -	0.002	0.008
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.005	- -	0.003	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.05	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06	None Reported	0.003	- -	0.004	0.007
			Chemical Total	4E-04	--	1E-04	--	5E-04		0.5	--	0.03	0.5
		Exposure Point Total						5E-04					0.5
	Exposure Medium Total							5E-04					0.5
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								5E-04					0.5

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00007	- -	0.00002	0.00009
			ARSENIC	4E-06	--	4E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0004	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.005	- -	0.006	0.01
			Chemical Total	2E-05	--	7E-06	--	2E-05		0.6	--	0.03	0.6
		Exposure Point Total						2E-05					0.6
	Exposure Medium Total							2E-05					0.6
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-09	--	--	7E-09	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								2E-05					0.6
Receptor Total							Receptor Risk Total	5E-04				Receptor HI Total	1

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.7
Total Body Weight HI	0.009
Total CVS HI	0.2
Total Kidney HI	0.1
Total Lungs HI	0.001
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	9E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0007	0.004
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00004	0.0004
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.05
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0005	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000005	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.010
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	1E-06	None Reported	0.0006	- -	0.0008	0.001
			Chemical Total	7E-05	--	3E-05	--	1E-04		0.09	--	0.006	0.10
		Exposure Point Total						1E-04					0.10
	Exposure Medium Total							1E-04					0.10
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-10	--	--	4E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	4E-12	--	--	4E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								1E-04					0.10

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-06	--	6E-07	--	2E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000005	0.00002
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00008	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	4E-06	--	2E-06	--	5E-06		0.1	--	0.006	0.1
		Exposure Point Total						5E-06					0.1
	Exposure Medium Total							5E-06					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								5E-06					0.1
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CVS HI	0.04
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.04
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	7E-06	--	2E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0005	0.003
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00003	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0004	0.0010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00009	- -	0.000004	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	1E-07	--	2E-07	None Reported	0.0004	- -	0.0006	0.0009
			Chemical Total	2E-05	--	8E-06	--	2E-05		0.05	--	0.005	0.06
		Exposure Point Total						2E-05					0.06
	Exposure Medium Total							2E-05					0.06
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	4E-12	--	--	4E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						3E-09					0.0001
	Exposure Medium Total							3E-09					0.0001
Medium Total								2E-05					0.06

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	2E-07	--	5E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000007	- -	0.000004	0.00001
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00006	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	1E-06	--	5E-07	--	2E-06		0.06	--	0.004	0.07
		Exposure Point Total						2E-06					0.07
	Exposure Medium Total							2E-06					0.07
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						7E-09					0.0003
	Exposure Medium Total							7E-09					0.0003
Medium Total								2E-06					0.07
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.08
Total Body Weight HI	0.001
Total CVS HI	0.03
Total Kidney HI	0.01
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG REREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-04	--	2E-04	--	6E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06					
			Chemical Total	5E-04	--	2E-04	--	6E-04					
		Exposure Point Total						6E-04					
	Exposure Medium Total							6E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-10	--	--	7E-10					
			CADMIUM	--	2E-11	--	--	2E-11					
			COBALT	--	4E-09	--	--	4E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG REREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	2E-05	--	9E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11					
			NAPHTHALENE	--	1E-08	--	--	1E-08					
			ARSENIC	--	8E-10	--	--	8E-10					
			COBALT	--	6E-09	--	--	6E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	5E-08	--	--	5E-08					
		Exposure Point Total						5E-08					
	Exposure Medium Total							5E-08					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	6E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	5E-04	--	2E-04	--	7E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.03	- -	0.005	0.03
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.001	- -	0.00003	0.001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06	None Reported	0.005	- -	0.005	0.010
			Chemical Total	5E-04	--	2E-04	--	7E-04		0.7	--	0.04	0.7
		Exposure Point Total						7E-04					0.7
	Exposure Medium Total							7E-04					0.7
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								7E-04					0.7

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.00003	0.0001
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.2	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0005	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.10	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-06	--	6E-06	--	1E-05	None Reported	0.008	- -	0.009	0.02
			Chemical Total	2E-05	--	1E-05	--	3E-05		0.8	--	0.04	0.8
		Exposure Point Total						3E-05					0.8
	Exposure Medium Total							3E-05					0.8
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-09	--	--	7E-09	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								3E-05					0.9
Receptor Total							Receptor Risk Total	7E-04				Receptor HI Total	2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	1
Total Body Weight HI	0.01
Total CVS HI	0.3
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.03
Total Skin HI	0.3
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	9E-05	--	4E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.005	- -	0.0010	0.006
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0005	- -	0.00006	0.0005
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000007	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	7E-07	--	1E-06	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	1E-04	--	4E-05	--	1E-04		0.1	--	0.009	0.1
		Exposure Point Total						1E-04					0.1
	Exposure Medium Total							1E-04					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								1E-04					0.1

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	8E-07	--	3E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000007	0.00003
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0001	0.0004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.001	- -	0.002	0.003
			Chemical Total	5E-06	--	2E-06	--	7E-06		0.2	--	0.008	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	6E-09	--	--	6E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.001	- -	0.001
		Exposure Point Total						4E-08					0.001
	Exposure Medium Total							4E-08					0.001
Medium Total								7E-06					0.2
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.2
Total Body Weight HI	0.002
Total CVS HI	0.06
Total Kidney HI	0.03
Total Lungs HI	0.001
Total None Reported HI	0.005
Total Skin HI	0.06
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	1E-05	--	3E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0007	0.004
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00004	0.0003
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0001	- -	0.000005	0.0001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0008	0.001
			Chemical Total	2E-05	--	1E-05	--	3E-05		0.07	--	0.007	0.08
		Exposure Point Total						3E-05					0.08
	Exposure Medium Total							3E-05					0.08
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								3E-05					0.08

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-07	--	2E-07	--	7E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000005	0.00002
			ARSENIC	1E-06	--	2E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00008	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	3E-07	--	5E-07	None Reported	0.0008	- -	0.001	0.002
			Chemical Total	2E-06	--	7E-07	--	3E-06		0.09	--	0.006	0.09
		Exposure Point Total						3E-06					0.09
	Exposure Medium Total							3E-06					0.09
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	6E-09	--	--	6E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								3E-06					0.09
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CVS HI	0.04
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	6E-04	--	2E-04	--	8E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	8E-07	--	1E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	6E-04	--	2E-04	--	9E-04					
		Exposure Point Total						9E-04					
	Exposure Medium Total							9E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	5E-11	--	--	5E-11					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	5E-08	--	--	5E-08					
		Exposure Point Total						5E-08					
	Exposure Medium Total							5E-08					
Medium Total								9E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	9E-07	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	6E-06	--	7E-06	--	1E-05					
			Chemical Total	3E-05	--	1E-05	--	4E-05					
		Exposure Point Total						4E-05					
	Exposure Medium Total							4E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	9E-11	--	--	9E-11					
			NAPHTHALENE	--	3E-08	--	--	3E-08					
			ARSENIC	--	2E-09	--	--	2E-09					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	5E-08	--	--	5E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								4E-05					
Receptor Total							Receptor Risk Total	9E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

APPENDIX D-2

ProUCL OUTPUT

Subsurface Soil

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK D.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	89	Number of Detected Data	83
Number of Distinct Detected Data	54	Number of Non-Detect Data	6
Number of Missing Values	354	Percent Non-Detects	6.74%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.65	Minimum Detected	-0.431
Maximum Detected	14.3	Maximum Detected	2.66
Mean of Detected	4.431	Mean of Detected	1.334
SD of Detected	2.341	SD of Detected	0.6
Minimum Non-Detect	0.51	Minimum Non-Detect	-0.673
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	60
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	32.58%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.0745	Lilliefors Test Statistic	0.128
5% Lilliefors Critical Value	0.0973	5% Lilliefors Critical Value	0.0973
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	4.166	Mean	1.181
SD	2.47	SD	0.829
95% DL/2 (t) UCL	4.601	95% H-Stat (DL/2) UCL	5.523
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	4.048	Mean in Log Scale	1.25
SD	2.669	SD in Log Scale	0.661
95% MLE (t) UCL	4.518	Mean in Original Scale	4.208
95% MLE (Tiku) UCL	4.553	SD in Original Scale	2.409
		95% t UCL	4.633
		95% Percentile Bootstrap UCL	4.626
		95% BCA Bootstrap UCL	4.66
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.273	**Data appear Normal at 5% Significance Level**	

Theta Star	1.354		
nu star	543.3		
A-D Test Statistic	0.465	**Nonparametric Statistics**	
5% A-D Critical Value	0.758	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.758	Mean	4.187
5% K-S Critical Value	0.0987	SD	2.426
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.259
		95% KM (t) UCL	4.617
Assuming Gamma Distribution		95% KM (z) UCL	4.613
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.612
Minimum	1E-12	95% KM (bootstrap t) UCL	4.652
Maximum	14.3	95% KM (BCA) UCL	4.667
Mean	4.159	95% KM (Percentile Bootstrap) UCL	4.616
Median	4	95% KM (Chebyshev) UCL	5.315
SD	2.488	97.5% KM (Chebyshev) UCL	5.804
k star	0.441	99% KM (Chebyshev) UCL	6.763
Theta star	9.436		
Nu star	78.45	**Potential UCLs to Use**	
AppChi2	59.04	95% KM (t) UCL	4.617
95% Gamma Approximate UCL	5.526	95% KM (Percentile Bootstrap) UCL	4.616
95% Adjusted Gamma UCL	5.552		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	90	Number of Detected Data	88
Number of Distinct Detected Data	66	Number of Non-Detect Data	2
Number of Missing Values	353	Percent Non-Detects	2.22%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	1010	Maximum Detected	6.918
Mean of Detected	23.38	Mean of Detected	2.198
SD of Detected	107.5	SD of Detected	0.884
Minimum Non-Detect	2.6	Minimum Non-Detect	0.956
Maximum Non-Detect	2.7	Maximum Non-Detect	0.993
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	2
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	88
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	2.22%

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Lilliefors Test Statistic	0.424	Lilliefors Test Statistic	0.153
5% Lilliefors Critical Value	0.0944	5% Lilliefors Critical Value	0.0944
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	22.89	Mean	2.155
SD	106.3	SD	0.919
95% DL/2 (t) UCL	41.52	95% H-Stat (DL/2) UCL	16.26
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	21.16	Mean in Log Scale	2.152
SD	107.1	SD in Log Scale	0.926
95% MLE (t) UCL	39.93	Mean in Original Scale	22.88
95% MLE (Tiku) UCL	37.69	SD in Original Scale	106.3
		95% t UCL	41.51
		95% Percentile Bootstrap UCL	44.76
		95% BCA Bootstrap UCL	66.07
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.627	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37.27		
nu star	110.4		
A-D Test Statistic	12.89	**Nonparametric Statistics**	
5% A-D Critical Value	0.804	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.804	Mean	22.92
5% K-S Critical Value	0.0998	SD	105.7
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11.21
		95% KM (t) UCL	41.55
Assuming Gamma Distribution		95% KM (z) UCL	41.36
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	41.55
Minimum	1E-12	95% KM (bootstrap t) UCL	162
Maximum	1010	95% KM (BCA) UCL	45.59
Mean	22.86	95% KM (Percentile Bootstrap) UCL	45
Median	7.35	95% KM (Chebyshev) UCL	71.78
SD	106.3	97.5% KM (Chebyshev) UCL	92.93
k star	0.405	99% KM (Chebyshev) UCL	134.5
Theta star	56.48		
Nu star	72.84	**Potential UCLs to Use**	
AppChi2	54.19	95% KM (BCA) UCL	45.59
95% Gamma Approximate UCL	30.72		
95% Adjusted Gamma UCL	30.87		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY			
General Statistics			
Number of Valid Data	171	Number of Detected Data	57
Number of Distinct Detected Data	45	Number of Non-Detect Data	114
Number of Missing Values	272	Percent Non-Detects	66.67%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.021	Minimum Detected	-3.863
Maximum Detected	3.3	Maximum Detected	1.194
Mean of Detected	0.337	Mean of Detected	-1.842
SD of Detected	0.511	SD of Detected	1.287
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.15	Maximum Non-Detect	-1.897
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	139
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	32
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.29%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.268	Lilliefors Test Statistic	0.119
5% Lilliefors Critical Value	0.117	5% Lilliefors Critical Value	0.117
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.128	Mean	-3.35
SD	0.329	SD	1.485
95% DL/2 (t) UCL	0.17	95% H-Stat (DL/2) UCL	0.143
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.204
		SD in Log Scale	2.059
		Mean in Original Scale	0.118
		SD in Original Scale	0.332
		95% t UCL	0.16
		95% Percentile Bootstrap UCL	0.163
		95% BCA Bootstrap UCL	0.172
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.757	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.446		
nu star	86.34		
A-D Test Statistic	1.089	**Nonparametric Statistics**	
5% A-D Critical Value	0.791	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.791	Mean	0.128
5% K-S Critical Value	0.122	SD	0.328
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0253

		95% KM (t) UCL	0.169
Assuming Gamma Distribution		95% KM (z) UCL	0.169
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.169
Minimum	0.0144	95% KM (bootstrap t) UCL	0.198
Maximum	3.3	95% KM (BCA) UCL	0.18
Mean	0.36	95% KM (Percentile Bootstrap) UCL	0.172
Median	0.33	95% KM (Chebyshev) UCL	0.238
SD	0.34	97.5% KM (Chebyshev) UCL	0.286
k star	1.347	99% KM (Chebyshev) UCL	0.38
Theta star	0.268		
Nu star	460.7	**Potential UCLs to Use**	
AppChi2	411.9	95% KM (BCA) UCL	0.18
95% Gamma Approximate UCL	0.403		
95% Adjusted Gamma UCL	0.403		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

OV_NAPHTHALENE

General Statistics

Number of Valid Data	84	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	81
Number of Missing Values	359	Percent Non-Detects	96.43%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	16	Minimum Detected	2.773
Maximum Detected	4000	Maximum Detected	8.294
Mean of Detected	1972	Mean of Detected	6.205
SD of Detected	1993	SD of Detected	2.996
Minimum Non-Detect	0.13	Minimum Non-Detect	-2.04
Maximum Non-Detect	7	Maximum Non-Detect	1.946
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	81
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.43%

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Warning: There are only 3 Distinct Detected Values in this data set			
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.			
Those methods will return a 'N/A' value on your output display!			
It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.999	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	71.62	Mean	-0.3
SD	480.7	SD	1.899
95% DL/2 (t) UCL	158.9	95% H-Stat (DL/2) UCL	8.844
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-18.51
		SD in Log Scale	8.425
		Mean in Original Scale	70.43
		SD in Original Scale	480.9
		95% t UCL	157.7
		95% Percentile Bootstrap UCL	165.7
		95% BCA Bootstrap UCL	238.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	85.86
5% K-S Critical Value	N/A	SD	475.7
Data not Gamma Distributed at 5% Significance Level		SE of Mean	63.57
		95% KM (t) UCL	191.6
Assuming Gamma Distribution		95% KM (z) UCL	190.4
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1294
Minimum	N/A	95% KM (bootstrap t) UCL	131.2
Maximum	N/A	95% KM (BCA) UCL	4000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	4000
Median	N/A	95% KM (Chebyshev) UCL	363
SD	N/A	97.5% KM (Chebyshev) UCL	482.9
k star	N/A	99% KM (Chebyshev) UCL	718.4
Theta star	N/A		

Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	191.6
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	4000
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	157	Number of Detected Data	34
Number of Distinct Detected Data	30	Number of Non-Detect Data	123
Number of Missing Values	286	Percent Non-Detects	78.34%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.9	Minimum Detected	2.186
Maximum Detected	1600	Maximum Detected	7.378
Mean of Detected	150.9	Mean of Detected	3.86
SD of Detected	309.6	SD of Detected	1.436
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	3900	Maximum Non-Detect	8.269
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	157
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.508	Shapiro Wilk Test Statistic	0.914
5% Shapiro Wilk Critical Value	0.933	5% Shapiro Wilk Critical Value	0.933
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	86.91	Mean	2.111
SD	266.6	SD	2.052
95% DL/2 (t) UCL	122.1	95% H-Stat (DL/2) UCL	117.8
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.231
		SD in Log Scale	2.574
		Mean in Original Scale	33.86
		SD in Original Scale	155.2
		95% t UCL	54.36
		95% Percentile Bootstrap UCL	56.36
		95% BCA Bootstrap UCL	65.6

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.514	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	293.4		
nu star	34.97		
A-D Test Statistic	2.205	**Nonparametric Statistics**	
5% A-D Critical Value	0.808	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.808	Mean	42.02
5% K-S Critical Value	0.159	SD	155.2
Data not Gamma Distributed at 5% Significance Level		SE of Mean	12.76
		95% KM (t) UCL	63.13
Assuming Gamma Distribution		95% KM (z) UCL	63.01
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	62.89
Minimum	1E-12	95% KM (bootstrap t) UCL	85.52
Maximum	1600	95% KM (BCA) UCL	67.93
Mean	133.1	95% KM (Percentile Bootstrap) UCL	65.11
Median	126.2	95% KM (Chebyshev) UCL	97.63
SD	149.3	97.5% KM (Chebyshev) UCL	121.7
k star	1.033	99% KM (Chebyshev) UCL	169
Theta star	128.8		
Nu star	324.4	**Potential UCLs to Use**	
AppChi2	283.6	95% KM (BCA) UCL	67.93
95% Gamma Approximate UCL	152.2		
95% Adjusted Gamma UCL	152.4		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	96	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	96
Number of Missing Values	347	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	96	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	95
Number of Missing Values	347	Percent Non-Detects	98.96%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	84	Number of Detected Data	53
Number of Distinct Detected Data	43	Number of Non-Detect Data	31
Number of Missing Values	359	Percent Non-Detects	36.90%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	3400	Minimum Detected	8.132
Maximum Detected	230000	Maximum Detected	12.35
Mean of Detected	32626	Mean of Detected	9.741
SD of Detected	43875	SD of Detected	1.114
Minimum Non-Detect	3200	Minimum Non-Detect	8.071
Maximum Non-Detect	27000	Maximum Non-Detect	10.2
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	66
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	18
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.57%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.253	Lilliefors Test Statistic	0.151
5% Lilliefors Critical Value	0.122	5% Lilliefors Critical Value	0.122
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	22484	Mean	9.236
SD	37242	SD	1.169
95% DL/2 (t) UCL	29243	95% H-Stat (DL/2) UCL	27666
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	9.121
		SD in Log Scale	1.302
		Mean in Original Scale	22186
		SD in Original Scale	37402
		95% t UCL	28974
		95% Percentile Bootstrap UCL	29494
		95% BCA Bootstrap UCL	31148

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.859	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37986		
nu star	91.04		
A-D Test Statistic	2.256	**Nonparametric Statistics**	
5% A-D Critical Value	0.785	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.785	Mean	22522
5% K-S Critical Value	0.126	SD	36994
Data not Gamma Distributed at 5% Significance Level		SE of Mean	4079
		95% KM (t) UCL	29307
Assuming Gamma Distribution		95% KM (z) UCL	29231
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	29180
Minimum	3400	95% KM (bootstrap t) UCL	31900
Maximum	230000	95% KM (BCA) UCL	29627
Mean	30562	95% KM (Percentile Bootstrap) UCL	29866
Median	17702	95% KM (Chebyshev) UCL	40302
SD	35521	97.5% KM (Chebyshev) UCL	47995
k star	1.22	99% KM (Chebyshev) UCL	63106
Theta star	25060		
Nu star	204.9	**Potential UCLs to Use**	
AppChi2	172.8	95% KM (Chebyshev) UCL	40302
95% Gamma Approximate UCL	36244		
95% Adjusted Gamma UCL	36352		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	84	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	81
Number of Missing Values	359	Percent Non-Detects	96.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	150	Minimum Detected	5.011
Maximum Detected	250	Maximum Detected	5.521
Mean of Detected	196.7	Mean of Detected	5.26
SD of Detected	50.33	SD of Detected	0.256
Minimum Non-Detect	51	Minimum Non-Detect	3.932
Maximum Non-Detect	150	Maximum Non-Detect	5.011
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	81
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.43%

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Warning: There are only 3 Distinct Detected Values in this data set			
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.			
Those methods will return a 'N/A' value on your output display!			
It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.987	Shapiro Wilk Test Statistic	0.998
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	43.67	Mean	3.623
SD	34.48	SD	0.487
95% DL/2 (t) UCL	49.93	95% H-Stat (DL/2) UCL	46.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.823
		SD in Log Scale	0.918
		Mean in Original Scale	27.01
		SD in Original Scale	37.36
		95% t UCL	33.79
		95% Percentile Bootstrap UCL	33.73
		95% BCA Bootstrap UCL	35.65
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	151.7
5% K-S Critical Value	N/A	SD	11.63
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1.554
		95% KM (t) UCL	154.3
Assuming Gamma Distribution		95% KM (z) UCL	154.2
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	177.3
Minimum	N/A	95% KM (bootstrap t) UCL	153.1
Maximum	N/A	95% KM (BCA) UCL	N/A
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	158.4
SD	N/A	97.5% KM (Chebyshev) UCL	161.4
k star	N/A	99% KM (Chebyshev) UCL	167.1

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	154.3
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	66	Number of Distinct Observations	56
Number of Missing Values	272		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2	Minimum of Log Data	0.693
Maximum	33	Maximum of Log Data	3.497
Mean	10.06	Mean of log Data	2.09
Median	7.05	SD of log Data	0.652
SD	7.313		
Coefficient of Variation	0.727		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.191	Lilliefors Test Statistic	0.094
Lilliefors Critical Value	0.109	Lilliefors Critical Value	0.109
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	11.56	95% H-UCL	11.73
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.75
95% Adjusted-CLT UCL (Chen-1995)	11.72	97.5% Chebyshev (MVUE) UCL	15.39
95% Modified-t UCL (Johnson-1978)	11.59	99% Chebyshev (MVUE) UCL	18.61
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.338	**Data appear Lognormal at 5% Significance Level**	
Theta Star	4.303		
MLE of Mean	10.06		
MLE of Standard Deviation	6.58		
nu star	308.6		
Approximate Chi Square Value (.05)	268.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0464	95% CLT UCL	11.54
Adjusted Chi Square Value	268.1	95% Jackknife UCL	11.56
		95% Standard Bootstrap UCL	11.54
Anderson-Darling Test Statistic	1.305	95% Bootstrap-t UCL	11.81
Anderson-Darling 5% Critical Value	0.761	95% Hall's Bootstrap UCL	11.81
Kolmogorov-Smirnov Test Statistic	0.131	95% Percentile Bootstrap UCL	11.61
Kolmogorov-Smirnov 5% Critical Value	0.111	95% BCA Bootstrap UCL	11.68
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.98
		97.5% Chebyshev(Mean, Sd) UCL	15.68

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	19.02
95% Approximate Gamma UCL	11.55		
95% Adjusted Gamma UCL	11.58		
Potential UCL to Use		Use 95% H-UCL	11.73

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	60	Number of Distinct Observations	58
Number of Missing Values	224		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1420	Minimum of Log Data	7.258
Maximum	72900	Maximum of Log Data	11.2
Mean	27943	Mean of log Data	10.05
Median	28150	SD of log Data	0.742
SD	13883		
Coefficient of Variation	0.497		
Skewness	0.323		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.0623	Lilliefors Test Statistic	0.19
Lilliefors Critical Value	0.114	Lilliefors Critical Value	0.114
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	30937	95% H-UCL	37223
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	44287
95% Adjusted-CLT UCL (Chen-1995)	30970	97.5% Chebyshev (MVUE) UCL	50353
95% Modified-t UCL (Johnson-1978)	30950	99% Chebyshev (MVUE) UCL	62269

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.661	**Data appear Normal at 5% Significance Level**	
Theta Star	10500		
MLE of Mean	27943		
MLE of Standard Deviation	17128		
nu star	319.4		
Approximate Chi Square Value (.05)	279	**Nonparametric Statistics**	
Adjusted Level of Significance	0.046	95% CLT UCL	30890

Adjusted Chi Square Value	278	95% Jackknife UCL	30937
		95% Standard Bootstrap UCL	30810
Anderson-Darling Test Statistic	1.646	95% Bootstrap-t UCL	31216
Anderson-Darling 5% Critical Value	0.759	95% Hall's Bootstrap UCL	30956
Kolmogorov-Smirnov Test Statistic	0.139	95% Percentile Bootstrap UCL	30895
Kolmogorov-Smirnov 5% Critical Value	0.116	95% BCA Bootstrap UCL	31044
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	35755
		97.5% Chebyshev(Mean, Sd) UCL	39135
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	45775
95% Approximate Gamma UCL	31990		
95% Adjusted Gamma UCL	32096		
Potential UCL to Use		Use 95% Student's-t UCL	30937

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	60	Number of Distinct Observations	59
Number of Missing Values	224		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.9	Minimum of Log Data	1.775
Maximum	326	Maximum of Log Data	5.787
Mean	56.92	Mean of log Data	3.733
Median	44.75	SD of log Data	0.822
SD	49.36		
Coefficient of Variation	0.867		
Skewness	2.959		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.151	Lilliefors Test Statistic	0.0972
Lilliefors Critical Value	0.114	Lilliefors Critical Value	0.114
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	67.56	95% H-UCL	73.8
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	88.59
95% Adjusted-CLT UCL (Chen-1995)	70	97.5% Chebyshev (MVUE) UCL	101.8
95% Modified-t UCL (Johnson-1978)	67.97	99% Chebyshev (MVUE) UCL	127.6
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.694	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	33.6		
MLE of Mean	56.92		
MLE of Standard Deviation	43.73		

nu star	203.2		
Approximate Chi Square Value (.05)	171.3	**Nonparametric Statistics**	
Adjusted Level of Significance	0.046	95% CLT UCL	67.4
Adjusted Chi Square Value	170.5	95% Jackknife UCL	67.56
		95% Standard Bootstrap UCL	67.14
Anderson-Darling Test Statistic	0.374	95% Bootstrap-t UCL	70.49
Anderson-Darling 5% Critical Value	0.766	95% Hall's Bootstrap UCL	80.46
Kolmogorov-Smirnov Test Statistic	0.0605	95% Percentile Bootstrap UCL	67.95
Kolmogorov-Smirnov 5% Critical Value	0.116	95% BCA Bootstrap UCL	69.65
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	84.69
		97.5% Chebyshev(Mean, Sd) UCL	96.71
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	120.3
95% Approximate Gamma UCL	67.55		
95% Adjusted Gamma UCL	67.83		
Potential UCL to Use		Use 95% Approximate Gamma UCL	67.55

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	66	Number of Distinct Observations	61
Number of Missing Values	272		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.1	Minimum of Log Data	0.742
Maximum	90.5	Maximum of Log Data	4.505
Mean	38.64	Mean of log Data	3.524
Median	38.1	SD of log Data	0.593
SD	17.48		
Coefficient of Variation	0.453		
Skewness	0.661		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.0944	Lilliefors Test Statistic	0.155
Lilliefors Critical Value	0.109	Lilliefors Critical Value	0.109
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	42.23	95% H-UCL	46.57
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	54.03
95% Adjusted-CLT UCL (Chen-1995)	42.36	97.5% Chebyshev (MVUE) UCL	59.98
95% Modified-t UCL (Johnson-1978)	42.26	99% Chebyshev (MVUE) UCL	71.66
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.815	**Data appear Normal at 5% Significance Level**	

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Theta Star	10.13		
MLE of Mean	38.64		
MLE of Standard Deviation	19.78		
nu star	503.6		
Approximate Chi Square Value (.05)	452.5	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0464	95% CLT UCL	42.18
Adjusted Chi Square Value	451.4	95% Jackknife UCL	42.23
		95% Standard Bootstrap UCL	42.07
Anderson-Darling Test Statistic	0.837	95% Bootstrap-t UCL	42.5
Anderson-Darling 5% Critical Value	0.755	95% Hall's Bootstrap UCL	42.71
Kolmogorov-Smirnov Test Statistic	0.114	95% Percentile Bootstrap UCL	42.31
Kolmogorov-Smirnov 5% Critical Value	0.11	95% BCA Bootstrap UCL	42.51
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	48.02
		97.5% Chebyshev(Mean, Sd) UCL	52.08
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	60.05
95% Approximate Gamma UCL	43		
95% Adjusted Gamma UCL	43.1		
Potential UCL to Use		Use 95% Student's-t UCL	42.23

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	90	Number of Distinct Observations	81
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.11	Minimum of Log Data	-2.207
Maximum	6	Maximum of Log Data	1.792
Mean	1.113	Mean of log Data	-0.0254
Median	1.013	SD of log Data	0.528
SD	0.692		
Coefficient of Variation	0.621		
Skewness	4.287		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.191	Lilliefors Test Statistic	0.116
Lilliefors Critical Value	0.0934	Lilliefors Critical Value	0.0934
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.234	95% H-UCL	1.244
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.407
95% Adjusted-CLT UCL (Chen-1995)	1.268	97.5% Chebyshev (MVUE) UCL	1.532
95% Modified-t UCL (Johnson-1978)	1.24	99% Chebyshev (MVUE) UCL	1.777
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.814	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.292		
MLE of Mean	1.113		
MLE of Standard Deviation	0.57		
nu star	686.5		
Approximate Chi Square Value (.05)	626.7	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0473	95% CLT UCL	1.233
Adjusted Chi Square Value	625.8	95% Jackknife UCL	1.234
		95% Standard Bootstrap UCL	1.23
Anderson-Darling Test Statistic	1.757	95% Bootstrap-t UCL	1.297
Anderson-Darling 5% Critical Value	0.756	95% Hall's Bootstrap UCL	1.761
Kolmogorov-Smirnov Test Statistic	0.112	95% Percentile Bootstrap UCL	1.242
Kolmogorov-Smirnov 5% Critical Value	0.0945	95% BCA Bootstrap UCL	1.264
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.431
		97.5% Chebyshev(Mean, Sd) UCL	1.568

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL	1.838
95% Approximate Gamma UCL	1.219						
95% Adjusted Gamma UCL	1.221						
Potential UCL to Use						Use 95% Chebyshev (Mean, Sd) UCL	1.431
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	418	Number of Detected Data	222
Number of Distinct Detected Data	212	Number of Non-Detect Data	196
Number of Missing Values	26	Percent Non-Detects	46.89%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.446	Minimum Detected	0.894
Maximum Detected	24437	Maximum Detected	10.1
Mean of Detected	436.3	Mean of Detected	4.28
SD of Detected	1843	SD of Detected	1.698
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	4200	Maximum Non-Detect	8.343
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	411
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.407	Lilliefors Test Statistic	0.0617
5% Lilliefors Critical Value	0.0595	5% Lilliefors Critical Value	0.0595
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	247.4	Mean	2.625
SD	1361	SD	2.456
95% DL/2 (t) UCL	357.1	95% H-Stat (DL/2) UCL	437.1
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.424
		SD in Log Scale	2.541
		Mean in Original Scale	233.6
		SD in Original Scale	1359
		95% t UCL	343.2
		95% Percentile Bootstrap UCL	353.9
		95% BCA Bootstrap UCL	418.2
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.369	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	1184		

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

nu star	163.6		
A-D Test Statistic	17.3	**Nonparametric Statistics**	
5% A-D Critical Value	0.852	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.852	Mean	235
5% K-S Critical Value	0.0658	SD	1357
Data not Gamma Distributed at 5% Significance Level		SE of Mean	66.54
		95% KM (t) UCL	344.7
Assuming Gamma Distribution		95% KM (z) UCL	344.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	344.6
Minimum	1E-12	95% KM (bootstrap t) UCL	483.2
Maximum	24437	95% KM (BCA) UCL	368.4
Mean	421.2	95% KM (Percentile Bootstrap) UCL	346.8
Median	45.63	95% KM (Chebyshev) UCL	525.1
SD	1504	97.5% KM (Chebyshev) UCL	650.6
k star	0.0874	99% KM (Chebyshev) UCL	897.1
Theta star	4817		
Nu star	73.11	**Potential UCLs to Use**	
AppChi2	54.42	97.5% KM (Chebyshev) UCL	650.6
95% Gamma Approximate UCL	565.8		
95% Adjusted Gamma UCL	566.4		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Data	54	Number of Detected Data	45
Number of Distinct Detected Data	38	Number of Non-Detect Data	9
Number of Missing Values	1	Percent Non-Detects	16.67%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.075	Minimum Detected	-2.59
Maximum Detected	1.35	Maximum Detected	0.3
Mean of Detected	0.473	Mean of Detected	-0.902
SD of Detected	0.269	SD of Detected	0.588
Minimum Non-Detect	0.165	Minimum Non-Detect	-1.802
Maximum Non-Detect	0.7	Maximum Non-Detect	-0.357
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	50
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.59%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.868	Shapiro Wilk Test Statistic	0.957
5% Shapiro Wilk Critical Value	0.945	5% Shapiro Wilk Critical Value	0.945
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.424	Mean	-1.065
SD	0.272	SD	0.684
95% DL/2 (t) UCL	0.486	95% H-Stat (DL/2) UCL	0.527
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	1.169	Mean in Log Scale	-1.014
SD	0.222	SD in Log Scale	0.604
95% MLE (t) UCL	1.22	Mean in Original Scale	0.431
95% MLE (Tiku) UCL	1.354	SD in Original Scale	0.265
		95% t UCL	0.491
		95% Percentile Bootstrap UCL	0.489
		95% BCA Bootstrap UCL	0.497
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.186	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.149		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

nu star	286.7		
A-D Test Statistic	0.578	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	0.43
5% K-S Critical Value	0.133	SD	0.267
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0372
		95% KM (t) UCL	0.492
Assuming Gamma Distribution		95% KM (z) UCL	0.491
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.492
Minimum	0.075	95% KM (bootstrap t) UCL	0.502
Maximum	1.35	95% KM (BCA) UCL	0.493
Mean	0.442	95% KM (Percentile Bootstrap) UCL	0.491
Median	0.422	95% KM (Chebyshev) UCL	0.592
SD	0.263	97.5% KM (Chebyshev) UCL	0.662
k star	2.939	99% KM (Chebyshev) UCL	0.8
Theta star	0.15		
Nu star	317.4	**Potential UCLs to Use**	
AppChi2	277.2	95% KM (BCA) UCL	0.493
95% Gamma Approximate UCL	0.506		
95% Adjusted Gamma UCL	0.508		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LEAD

General Statistics

Number of Valid Data	54	Number of Detected Data	47
Number of Distinct Detected Data	35	Number of Non-Detect Data	7
Number of Missing Values	216	Percent Non-Detects	12.96%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.71	Minimum Detected	-0.342
Maximum Detected	14.4	Maximum Detected	2.667
Mean of Detected	3.923	Mean of Detected	1.194
SD of Detected	2.561	SD of Detected	0.593
Minimum Non-Detect	2.8	Minimum Non-Detect	1.03
Maximum Non-Detect	3.4	Maximum Non-Detect	1.224
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	30
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	55.56%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.827	Shapiro Wilk Test Statistic	0.988
5% Shapiro Wilk Critical Value	0.946	5% Shapiro Wilk Critical Value	0.946
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.623	Mean	1.101
SD	2.512	SD	0.604
95% DL/2 (t) UCL	4.196	95% H-Stat (DL/2) UCL	4.243
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.563	Mean in Log Scale	1.128
SD	3.616	SD in Log Scale	0.583
95% MLE (t) UCL	3.387	Mean in Original Scale	3.674
95% MLE (Tiku) UCL	3.662	SD in Original Scale	2.477
		95% t UCL	4.239
		95% Percentile Bootstrap UCL	4.255
		95% BCA Bootstrap UCL	4.318
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.873	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.365		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

nu star	270		
A-D Test Statistic	0.562	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	3.683
5% K-S Critical Value	0.13	SD	2.457
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.34
		95% KM (t) UCL	4.252
Assuming Gamma Distribution		95% KM (z) UCL	4.242
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.251
Minimum	0.71	95% KM (bootstrap t) UCL	4.446
Maximum	14.4	95% KM (BCA) UCL	4.251
Mean	3.763	95% KM (Percentile Bootstrap) UCL	4.257
Median	3.3	95% KM (Chebyshev) UCL	5.165
SD	2.444	97.5% KM (Chebyshev) UCL	5.806
k star	2.995	99% KM (Chebyshev) UCL	7.066
Theta star	1.256		
Nu star	323.5	**Potential UCLs to Use**	
AppChi2	282.8	95% KM (BCA) UCL	4.251
95% Gamma Approximate UCL	4.304		
95% Adjusted Gamma UCL	4.32		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	54	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	52
Number of Missing Values	216	Percent Non-Detects	96.30%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.079	Minimum Detected	-2.538
Maximum Detected	0.29	Maximum Detected	-1.238
Mean of Detected	0.185	Mean of Detected	-1.888
SD of Detected	0.149	SD of Detected	0.92
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.14	Maximum Non-Detect	-1.966
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	53
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.15%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0305	Mean	-4.031
SD	0.0439	SD	0.934
95% DL/2 (t) UCL	0.0405	95% H-Stat (DL/2) UCL	0.0367
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	0.0829
5% K-S Critical Value	N/A	SD	0.0284
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00547
		95% KM (t) UCL	0.0921
Assuming Gamma Distribution		95% KM (z) UCL	0.0919
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.22
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	0.29
Mean	N/A	95% KM (Percentile Bootstrap) UCL	0.29
Median	N/A	95% KM (Chebyshev) UCL	0.107
SD	N/A	97.5% KM (Chebyshev) UCL	0.117
k star	N/A	99% KM (Chebyshev) UCL	0.137
Theta star	N/A		

Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	0.0921
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	0.29
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	32
Number of Distinct Detected Data	32	Number of Non-Detect Data	68
Number of Missing Values	170	Percent Non-Detects	68.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	2200000	Maximum Detected	14.6
Mean of Detected	80223	Mean of Detected	6.038
SD of Detected	387877	SD of Detected	3.803
Minimum Non-Detect	0.28	Minimum Non-Detect	-1.273
Maximum Non-Detect	11	Maximum Non-Detect	2.398
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	75
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	25
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.217	Shapiro Wilk Test Statistic	0.968
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	25673	Mean	2.192
SD	220283	SD	3.562
95% DL/2 (t) UCL	62248	95% H-Stat (DL/2) UCL	37168
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-1.21
		SD in Log Scale	6.123
		Mean in Original Scale	25672
		SD in Original Scale	220283
		95% t UCL	62247
		95% Percentile Bootstrap UCL	69124
		95% BCA Bootstrap UCL	94461

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	0.154	Data appear Lognormal at 5% Significance Level	
Theta Star	521528		
nu star	9.845		
A-D Test Statistic	2.74	Nonparametric Statistics	
5% A-D Critical Value	0.926	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.926	Mean	25672
5% K-S Critical Value	0.174	SD	219179
Data not Gamma Distributed at 5% Significance Level		SE of Mean	22269
		95% KM (t) UCL	62647
Assuming Gamma Distribution		95% KM (z) UCL	62301
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	62247
Minimum	1E-12	95% KM (bootstrap t) UCL	660745
Maximum	2200000	95% KM (BCA) UCL	70106
Mean	84042	95% KM (Percentile Bootstrap) UCL	69651
Median	92929	95% KM (Chebyshev) UCL	122738
SD	217912	97.5% KM (Chebyshev) UCL	164739
k star	0.315	99% KM (Chebyshev) UCL	247242
Theta star	266695		
Nu star	63.02	Potential UCLs to Use	
AppChi2	45.76	97.5% KM (Chebyshev) UCL	164739
95% Gamma Approximate UCL	115743		
95% Adjusted Gamma UCL	116288		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	32
Number of Distinct Detected Data	31	Number of Non-Detect Data	68
Number of Missing Values	170	Percent Non-Detects	68.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.9	Minimum Detected	1.775
Maximum Detected	9600000	Maximum Detected	16.08
Mean of Detected	364319	Mean of Detected	7.616
SD of Detected	1693378	SD of Detected	3.817
Minimum Non-Detect	0.23	Minimum Non-Detect	-1.47
Maximum Non-Detect	52	Maximum Non-Detect	3.951
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	75
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	25
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.228	Shapiro Wilk Test Statistic	0.956
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	116584	Mean	2.768
SD	962853	SD	4.071
95% DL/2 (t) UCL	276455	95% H-Stat (DL/2) UCL	825121
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.519
		SD in Log Scale	6.546
		Mean in Original Scale	116582
		SD in Original Scale	962853
		95% t UCL	276454
		95% Percentile Bootstrap UCL	302016
		95% BCA Bootstrap UCL	406961
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.155	**Data appear Lognormal at 5% Significance Level**	
Theta Star	2346523		
nu star	9.937		
A-D Test Statistic	2.641	**Nonparametric Statistics**	
5% A-D Critical Value	0.925	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.925	Mean	116586
5% K-S Critical Value	0.174	SD	958026
Data not Gamma Distributed at 5% Significance Level		SE of Mean	97336
		95% KM (t) UCL	278201
Assuming Gamma Distribution		95% KM (z) UCL	276689
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	276456
Minimum	1E-12	95% KM (bootstrap t) UCL	2271910
Maximum	21134971	95% KM (BCA) UCL	312538
Mean	1345729	95% KM (Percentile Bootstrap) UCL	305381
Median	16.5	95% KM (Chebyshev) UCL	540862
SD	3696300	97.5% KM (Chebyshev) UCL	724447
k star	0.0475	99% KM (Chebyshev) UCL	1085063
Theta star	28329884		
Nu star	9.5	**Potential UCLs to Use**	
AppChi2	3.632	97.5% KM (Chebyshev) UCL	724447
95% Gamma Approximate UCL	3520103		
95% Adjusted Gamma UCL	3572194		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	14
Number of Distinct Detected Data	14	Number of Non-Detect Data	86
Number of Missing Values	170	Percent Non-Detects	86.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.39	Minimum Detected	-0.942
Maximum Detected	38000	Maximum Detected	10.55
Mean of Detected	5795	Mean of Detected	3.653
SD of Detected	13475	SD of Detected	4.139
Minimum Non-Detect	0.25	Minimum Non-Detect	-1.386
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	98
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.476	Shapiro Wilk Test Statistic	0.888
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	894.3	Mean	1.181
SD	5308	SD	2.579
95% DL/2 (t) UCL	1776	95% H-Stat (DL/2) UCL	268
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.08
		SD in Log Scale	5.933
		Mean in Original Scale	811.4
		SD in Original Scale	5285
		95% t UCL	1689
		95% Percentile Bootstrap UCL	1900
		95% BCA Bootstrap UCL	2306
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.168	**Data appear Lognormal at 5% Significance Level**	
Theta Star	34542		
nu star	4.698		
A-D Test Statistic	1.249	**Nonparametric Statistics**	
5% A-D Critical Value	0.889	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.889	Mean	812.8
5% K-S Critical Value	0.255	SD	5258
Data not Gamma Distributed at 5% Significance Level		SE of Mean	545.7
		95% KM (t) UCL	1719

Assuming Gamma Distribution		95% KM (z) UCL	1710
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1690
Minimum	0.39	95% KM (bootstrap t) UCL	11831
Maximum	128506	95% KM (BCA) UCL	1943
Mean	13559	95% KM (Percentile Bootstrap) UCL	1637
Median	5055	95% KM (Chebyshev) UCL	3191
SD	23754	97.5% KM (Chebyshev) UCL	4221
k star	0.45	99% KM (Chebyshev) UCL	6242
Theta star	30105		
Nu star	90.08	**Potential UCLs to Use**	
AppChi2	69.19	97.5% KM (Chebyshev) UCL	4221
95% Gamma Approximate UCL	17651		
95% Adjusted Gamma UCL	17719		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	28
Number of Distinct Detected Data	27	Number of Non-Detect Data	72
Number of Missing Values	170	Percent Non-Detects	72.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.6	Minimum Detected	0.47
Maximum Detected	130000	Maximum Detected	11.78
Mean of Detected	6806	Mean of Detected	5.216
SD of Detected	24884	SD of Detected	2.742
Minimum Non-Detect	0.48	Minimum Non-Detect	-0.734
Maximum Non-Detect	290	Maximum Non-Detect	5.67
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	91
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	91.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.305	Shapiro Wilk Test Statistic	0.943
5% Shapiro Wilk Critical Value	0.924	5% Shapiro Wilk Critical Value	0.924
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1909	Mean	1.812
SD	13353	SD	2.767
95% DL/2 (t) UCL	4126	95% H-Stat (DL/2) UCL	970

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Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-1.319
		SD in Log Scale	4.907
		Mean in Original Scale	1906
		SD in Original Scale	13353
		95% t UCL	4123
		95% Percentile Bootstrap UCL	4360
		95% BCA Bootstrap UCL	6743
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.205	**Data appear Lognormal at 5% Significance Level**	
Theta Star	33140		
nu star	11.5		
A-D Test Statistic	2.921	**Nonparametric Statistics**	
5% A-D Critical Value	0.896	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.896	Mean	1907
5% K-S Critical Value	0.183	SD	13286
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1353
		95% KM (t) UCL	4153
Assuming Gamma Distribution		95% KM (z) UCL	4132
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4119
Minimum	1.6	95% KM (bootstrap t) UCL	14786
Maximum	130000	95% KM (BCA) UCL	4403
Mean	6695	95% KM (Percentile Bootstrap) UCL	4300
Median	7006	95% KM (Chebyshev) UCL	7804
SD	13088	97.5% KM (Chebyshev) UCL	10356
k star	0.534	99% KM (Chebyshev) UCL	15369
Theta star	12546		
Nu star	106.7	**Potential UCLs to Use**	
AppChi2	83.89	97.5% KM (Chebyshev) UCL	10356
95% Gamma Approximate UCL	8518		
95% Adjusted Gamma UCL	8548		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

BAP EQUIVALENT-HALFND

General Statistics

Number of Valid Data	100	Number of Detected Data	19
Number of Distinct Detected Data	19	Number of Non-Detect Data	81
Number of Missing Values	170	Percent Non-Detects	81.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	60.21	Minimum Detected	4.098
Maximum Detected	39347	Maximum Detected	10.58
Mean of Detected	2455	Mean of Detected	5.97

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

SD of Detected	8945	SD of Detected	1.315
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	3800	Maximum Non-Detect	8.243
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	99
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	99.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.271	Shapiro Wilk Test Statistic	0.711
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	567.7	Mean	3.737
SD	3928	SD	2.378
95% DL/2 (t) UCL	1220	95% H-Stat (DL/2) UCL	1809
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	3.319
		SD in Log Scale	1.766
		Mean in Original Scale	489.1
		SD in Original Scale	3932
		95% t UCL	1142
		95% Percentile Bootstrap UCL	1270
		95% BCA Bootstrap UCL	2044
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.342	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	7186		
nu star	12.98		
A-D Test Statistic	4.477	**Nonparametric Statistics**	
5% A-D Critical Value	0.83	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.83	Mean	531.4
5% K-S Critical Value	0.213	SD	3908
Data not Gamma Distributed at 5% Significance Level		SE of Mean	401.6
		95% KM (t) UCL	1198
Assuming Gamma Distribution		95% KM (z) UCL	1192
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1133
Minimum	1E-12	95% KM (bootstrap t) UCL	14652
Maximum	39347	95% KM (BCA) UCL	1737
Mean	2150	95% KM (Percentile Bootstrap) UCL	1343
Median	1721	95% KM (Chebyshev) UCL	2282
SD	4027	97.5% KM (Chebyshev) UCL	3039
k star	0.113	99% KM (Chebyshev) UCL	4527
Theta star	18968		
Nu star	22.67	**Potential UCLs to Use**	
AppChi2	12.84	95% KM (BCA) UCL	1737

95% Gamma Approximate UCL	3796		
95% Adjusted Gamma UCL	3828		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	100	Number of Detected Data	14
Number of Distinct Detected Data	13	Number of Non-Detect Data	86
Number of Missing Values	170	Percent Non-Detects	86.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	17	Minimum Detected	2.833
Maximum Detected	460	Maximum Detected	6.131
Mean of Detected	134.1	Mean of Detected	4.291
SD of Detected	145.3	SD of Detected	1.172
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	11000	Maximum Non-Detect	9.306
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	100
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.793	Shapiro Wilk Test Statistic	0.899
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	194.8	Mean	3.833
SD	574.1	SD	2.062
95% DL/2 (t) UCL	290.1	95% H-Stat (DL/2) UCL	799.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.943
		SD in Log Scale	1.538
		Mean in Original Scale	27.38
		SD in Original Scale	69.65
		95% t UCL	38.94
		95% Percentile Bootstrap UCL	39.58
		95% BCA Bootstrap UCL	42.56
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.799	**Data appear Lognormal at 5% Significance Level**	

Theta Star	167.9		
nu star	22.36		
A-D Test Statistic	0.768	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	46.47
5% K-S Critical Value	0.236	SD	82.05
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11.39
		95% KM (t) UCL	65.38
Assuming Gamma Distribution		95% KM (z) UCL	65.21
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	63.82
Minimum	17	95% KM (bootstrap t) UCL	71.72
Maximum	460	95% KM (BCA) UCL	72.14
Mean	113.7	95% KM (Percentile Bootstrap) UCL	67.35
Median	111.7	95% KM (Chebyshev) UCL	96.13
SD	62.68	97.5% KM (Chebyshev) UCL	117.6
k star	3.474	99% KM (Chebyshev) UCL	159.8
Theta star	32.72		
Nu star	694.7	**Potential UCLs to Use**	
AppChi2	634.6	95% KM (BCA) UCL	72.14
95% Gamma Approximate UCL	124.4		
95% Adjusted Gamma UCL	124.6		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	255	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	252
Number of Missing Values	15	Percent Non-Detects	98.82%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	27	Minimum Detected	3.296
Maximum Detected	9800	Maximum Detected	9.19
Mean of Detected	3290	Mean of Detected	5.423
SD of Detected	5638	SD of Detected	3.271
Minimum Non-Detect	17.5	Minimum Non-Detect	2.862
Maximum Non-Detect	1100000	Maximum Non-Detect	13.91
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	255
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

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It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.751	Shapiro Wilk Test Statistic	0.812
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3683	Mean	3.099
SD	35863	SD	1.857
95% DL/2 (t) UCL	7391	95% H-Stat (DL/2) UCL	175.7
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-20.42
		SD in Log Scale	8.38
		Mean in Original Scale	38.71
		SD in Original Scale	613.7
		95% t UCL	102.2
		95% Percentile Bootstrap UCL	115.6
		95% BCA Bootstrap UCL	192.3
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	N/A	Data appear Lognormal at 5% Significance Level	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	Nonparametric Statistics	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	67.14
5% K-S Critical Value	N/A	SD	624.4
Data not Gamma Distributed at 5% Significance Level		SE of Mean	48.95
		95% KM (t) UCL	148
Assuming Gamma Distribution		95% KM (z) UCL	147.7
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	122.2
Minimum	N/A	95% KM (bootstrap t) UCL	16492
Maximum	N/A	95% KM (BCA) UCL	9800
Mean	N/A	95% KM (Percentile Bootstrap) UCL	9800
Median	N/A	95% KM (Chebyshev) UCL	280.5
SD	N/A	97.5% KM (Chebyshev) UCL	372.9
k star	N/A	99% KM (Chebyshev) UCL	554.2
Theta star	N/A		
Nu star	N/A	Potential UCLs to Use	
AppChi2	N/A	97.5% KM (Chebyshev) UCL	372.9
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

AROCLOR-1260

General Statistics

Number of Valid Data	255	Number of Detected Data	93
Number of Distinct Detected Data	82	Number of Non-Detect Data	162
Number of Missing Values	15	Percent Non-Detects	63.53%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	15	Minimum Detected	2.708
Maximum Detected	24000000	Maximum Detected	16.99
Mean of Detected	319537	Mean of Detected	6.27
SD of Detected	2494665	SD of Detected	3.176
Minimum Non-Detect	17.5	Minimum Non-Detect	2.862
Maximum Non-Detect	300	Maximum Non-Detect	5.704
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	214
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	41
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	83.92%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Lilliefors Test Statistic	0.449	Lilliefors Test Statistic	0.193
5% Lilliefors Critical Value	0.0919	5% Lilliefors Critical Value	0.0919
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	116546	Mean	3.887
SD	1509263	SD	2.658
95% DL/2 (t) UCL	272577	95% H-Stat (DL/2) UCL	3184
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.411
		SD in Log Scale	4.731
		Mean in Original Scale	116538
		SD in Original Scale	1509264
		95% t UCL	272569
		95% Percentile Bootstrap UCL	301123
		95% BCA Bootstrap UCL	480841
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.127	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	2525062		
nu star	23.54		

A-D Test Statistic	17.17	**Nonparametric Statistics**	
5% A-D Critical Value	0.99	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.99	Mean	116547
5% K-S Critical Value	0.106	SD	1506301
Data not Gamma Distributed at 5% Significance Level		SE of Mean	94840
		95% KM (t) UCL	273116
Assuming Gamma Distribution		95% KM (z) UCL	272545
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	272578
Minimum	15	95% KM (bootstrap t) UCL	2193606
Maximum	24000000	95% KM (BCA) UCL	304415
Mean	352826	95% KM (Percentile Bootstrap) UCL	300990
Median	253239	95% KM (Chebyshev) UCL	529943
SD	1513112	97.5% KM (Chebyshev) UCL	708820
k star	0.287	99% KM (Chebyshev) UCL	1060189
Theta star	1229754		
Nu star	146.3	**Potential UCLs to Use**	
AppChi2	119.4	97.5% KM (Chebyshev) UCL	708820
95% Gamma Approximate UCL	432504		
95% Adjusted Gamma UCL	433001		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	41	Number of Detected Data	11
Number of Distinct Detected Data	11	Number of Non-Detect Data	30
Number of Missing Values	230	Percent Non-Detects	73.17%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	7300	Minimum Detected	8.896
Maximum Detected	28000000	Maximum Detected	17.15
Mean of Detected	3046445	Mean of Detected	12.63
SD of Detected	8298707	SD of Detected	2.4
Minimum Non-Detect	3300	Minimum Non-Detect	8.102
Maximum Non-Detect	29000	Maximum Non-Detect	10.28
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	32
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.05%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.405	Shapiro Wilk Test Statistic	0.94
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

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Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	826079	Mean	10.19
SD	4366922	SD	1.974
95% DL/2 (t) UCL	1974463	95% H-Stat (DL/2) UCL	575054
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	8.171
		SD in Log Scale	3.535
		Mean in Original Scale	820179
		SD in Original Scale	4368054
		95% t UCL	1968861
		95% Percentile Bootstrap UCL	2174248
		95% BCA Bootstrap UCL	2949692
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.279	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	10931992		
nu star	6.131		
A-D Test Statistic	0.9	**Nonparametric Statistics**	
5% A-D Critical Value	0.82	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.82	Mean	822732
5% K-S Critical Value	0.276	SD	4313970
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	706613
		95% KM (t) UCL	2012562
Assuming Gamma Distribution		95% KM (z) UCL	1985006
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1971140
Minimum	1E-12	95% KM (bootstrap t) UCL	13318178
Maximum	28000000	95% KM (BCA) UCL	2243344
Mean	3139294	95% KM (Percentile Bootstrap) UCL	2157239
Median	460000	95% KM (Chebyshev) UCL	3902785
SD	5621340	97.5% KM (Chebyshev) UCL	5235527
k star	0.0762	99% KM (Chebyshev) UCL	7853440
Theta star	41181006		
Nu star	6.251	**Potential UCLs to Use**	
AppChi2	1.769	95% KM (t) UCL	2012562
95% Gamma Approximate UCL	11090321		
95% Adjusted Gamma UCL	11651629		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	31	Number of Detected Data	15

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Number of Distinct Detected Data	14	Number of Non-Detect Data	16
Number of Missing Values	239	Percent Non-Detects	51.61%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	56	Minimum Detected	4.025
Maximum Detected	170000	Maximum Detected	12.04
Mean of Detected	21525	Mean of Detected	6.436
SD of Detected	54509	SD of Detected	2.7
Minimum Non-Detect	55	Minimum Non-Detect	4.007
Maximum Non-Detect	280	Maximum Non-Detect	5.635
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	77.42%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.445	Shapiro Wilk Test Statistic	0.821
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10446	Mean	5.183
SD	38801	SD	2.242
95% DL/2 (t) UCL	22274	95% H-Stat (DL/2) UCL	12191
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.23
		SD in Log Scale	3.13
		Mean in Original Scale	10432
		SD in Original Scale	38805
		95% t UCL	22261
		95% Percentile Bootstrap UCL	21840
		95% BCA Bootstrap UCL	26778
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.21	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	102567		
nu star	6.296		
A-D Test Statistic	2.149	**Nonparametric Statistics**	
5% A-D Critical Value	0.874	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.874	Mean	10450
5% K-S Critical Value	0.245	SD	38169
Data not Gamma Distributed at 5% Significance Level		SE of Mean	7096
		95% KM (t) UCL	22493
Assuming Gamma Distribution		95% KM (z) UCL	22122
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	22276
Minimum	56	95% KM (bootstrap t) UCL	365483
Maximum	170000	95% KM (BCA) UCL	22211

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Mean	23020	95% KM (Percentile Bootstrap) UCL	23098
Median	18063	95% KM (Chebyshev) UCL	41380
SD	37550	97.5% KM (Chebyshev) UCL	54764
k star	0.364	99% KM (Chebyshev) UCL	81053
Theta star	63279		
Nu star	22.55	**Potential UCLs to Use**	
AppChi2	12.75	99% KM (Chebyshev) UCL	81053
95% Gamma Approximate UCL	40706		
95% Adjusted Gamma UCL	42058		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Observations	54	Number of Distinct Observations	37
Number of Missing Values	216		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.22	Minimum of Log Data	-1.514
Maximum	5.5	Maximum of Log Data	1.705
Mean	1.277	Mean of log Data	0.0005547
Median	1.1	SD of log Data	0.711
SD	0.998		
Coefficient of Variation	0.781		
Skewness	2.362		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.158	Lilliefors Test Statistic	0.0984
Lilliefors Critical Value	0.121	Lilliefors Critical Value	0.121
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.505	95% H-UCL	1.572
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.874
95% Adjusted-CLT UCL (Chen-1995)	1.547	97.5% Chebyshev (MVUE) UCL	2.13
95% Modified-t UCL (Johnson-1978)	1.512	99% Chebyshev (MVUE) UCL	2.635
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.089	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.611		
MLE of Mean	1.277		
MLE of Standard Deviation	0.884		
nu star	225.6		
Approximate Chi Square Value (.05)	191.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0456	95% CLT UCL	1.501
Adjusted Chi Square Value	191	95% Jackknife UCL	1.505
		95% Standard Bootstrap UCL	1.495
Anderson-Darling Test Statistic	0.419	95% Bootstrap-t UCL	1.588
Anderson-Darling 5% Critical Value	0.762	95% Hall's Bootstrap UCL	1.641
Kolmogorov-Smirnov Test Statistic	0.0789	95% Percentile Bootstrap UCL	1.515
Kolmogorov-Smirnov 5% Critical Value	0.122	95% BCA Bootstrap UCL	1.541
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.869
		97.5% Chebyshev(Mean, Sd) UCL	2.125

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	2.629
95% Approximate Gamma UCL	1.502		
95% Adjusted Gamma UCL	1.509		
Potential UCL to Use		Use 95% Approximate Gamma UCL	1.502

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	32
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.18	Minimum of Log Data	-1.715
Maximum	9.1	Maximum of Log Data	2.208
Mean	3.298	Mean of log Data	0.942
Median	2.9	SD of log Data	0.796
SD	2.17		
Coefficient of Variation	0.658		
Skewness	0.946		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.948
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	3.876	95% H-UCL	4.653
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	5.612
95% Adjusted-CLT UCL (Chen-1995)	3.917	97.5% Chebyshev (MVUE) UCL	6.532
95% Modified-t UCL (Johnson-1978)	3.884	99% Chebyshev (MVUE) UCL	8.34
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.001	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.648		
MLE of Mean	3.298		
MLE of Standard Deviation	2.331		
nu star	160.1		
Approximate Chi Square Value (.05)	131.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	3.862
Adjusted Chi Square Value	130.8	95% Jackknife UCL	3.876
		95% Standard Bootstrap UCL	3.854
Anderson-Darling Test Statistic	0.163	95% Bootstrap-t UCL	3.973
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	3.933
Kolmogorov-Smirnov Test Statistic	0.0721	95% Percentile Bootstrap UCL	3.867

Kolmogorov-Smirnov 5% Critical Value	0.141	95% BCA Bootstrap UCL	3.926
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	4.793
		97.5% Chebyshev(Mean, Sd) UCL	5.44
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	6.711
95% Approximate Gamma UCL	4.004		
95% Adjusted Gamma UCL	4.034		
Potential UCL to Use		Use 95% Approximate Gamma UCL	4.004

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	37
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1290	Minimum of Log Data	7.162
Maximum	42200	Maximum of Log Data	10.65
Mean	14125	Mean of log Data	9.307
Median	12200	SD of log Data	0.785
SD	9444		
Coefficient of Variation	0.669		
Skewness	1.213		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.905	Shapiro Wilk Test Statistic	0.946
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	16641	95% H-UCL	19708
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	23760
95% Adjusted-CLT UCL (Chen-1995)	16887	97.5% Chebyshev (MVUE) UCL	27618
95% Modified-t UCL (Johnson-1978)	16688	99% Chebyshev (MVUE) UCL	35196

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.016	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	7007		
MLE of Mean	14125		
MLE of Standard Deviation	9948		
nu star	161.3		
Approximate Chi Square Value (.05)	132.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	16581
Adjusted Chi Square Value	131.9	95% Jackknife UCL	16641
		95% Standard Bootstrap UCL	16557

Anderson-Darling Test Statistic	0.269	95% Bootstrap-t UCL	16955
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	17167
Kolmogorov-Smirnov Test Statistic	0.103	95% Percentile Bootstrap UCL	16543
Kolmogorov-Smirnov 5% Critical Value	0.141	95% BCA Bootstrap UCL	16827
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20634
		97.5% Chebyshev(Mean, Sd) UCL	23450
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	28983
95% Approximate Gamma UCL	17138		
95% Adjusted Gamma UCL	17264		
Potential UCL to Use		Use 95% Approximate Gamma UCL	17138

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	39
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	280	Maximum of Log Data	5.635
Mean	57.95	Mean of log Data	3.56
Median	34	SD of log Data	1.06
SD	66.18		
Coefficient of Variation	1.142		
Skewness	2.327		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.688	Shapiro Wilk Test Statistic	0.959
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	75.58	95% H-UCL	93.88
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	112.5
95% Adjusted-CLT UCL (Chen-1995)	79.27	97.5% Chebyshev (MVUE) UCL	135
95% Modified-t UCL (Johnson-1978)	76.22	99% Chebyshev (MVUE) UCL	179.3
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.069	**Data appear Lognormal at 5% Significance Level**	
Theta Star	54.19		
MLE of Mean	57.95		
MLE of Standard Deviation	56.04		
nu star	85.55		
Approximate Chi Square Value (.05)	65.23	**Nonparametric Statistics**	

Adjusted Level of Significance	0.044	95% CLT UCL	75.16
Adjusted Chi Square Value	64.56	95% Jackknife UCL	75.58
		95% Standard Bootstrap UCL	74.51
Anderson-Darling Test Statistic	1.011	95% Bootstrap-t UCL	82.6
Anderson-Darling 5% Critical Value	0.775	95% Hall's Bootstrap UCL	79.52
Kolmogorov-Smirnov Test Statistic	0.173	95% Percentile Bootstrap UCL	75.76
Kolmogorov-Smirnov 5% Critical Value	0.143	95% BCA Bootstrap UCL	79.62
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	103.6
		97.5% Chebyshev(Mean, Sd) UCL	123.3
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	162.1
95% Approximate Gamma UCL	76		
95% Adjusted Gamma UCL	76.78		
Potential UCL to Use		Use 95% H-UCL	93.88

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	38
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	21.1	Maximum of Log Data	3.049
Mean	12.4	Mean of log Data	2.393
Median	13.3	SD of log Data	0.568
SD	5.145		
Coefficient of Variation	0.415		
Skewness	-0.39		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.948	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	13.77	95% H-UCL	15.39
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	18.12
95% Adjusted-CLT UCL (Chen-1995)	13.68	97.5% Chebyshev (MVUE) UCL	20.42
95% Modified-t UCL (Johnson-1978)	13.76	99% Chebyshev (MVUE) UCL	24.94

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Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.887	**Data appear Normal at 5% Significance Level**	
Theta Star	3.19		
MLE of Mean	12.4		
MLE of Standard Deviation	6.289		
nu star	310.9		
Approximate Chi Square Value (.05)	271.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	13.74
Adjusted Chi Square Value	269.7	95% Jackknife UCL	13.77
		95% Standard Bootstrap UCL	13.74
Anderson-Darling Test Statistic	1.546	95% Bootstrap-t UCL	13.67
Anderson-Darling 5% Critical Value	0.752	95% Hall's Bootstrap UCL	13.7
Kolmogorov-Smirnov Test Statistic	0.184	95% Percentile Bootstrap UCL	13.71
Kolmogorov-Smirnov 5% Critical Value	0.14	95% BCA Bootstrap UCL	13.6
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	15.94
		97.5% Chebyshev(Mean, Sd) UCL	17.48
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	20.49
95% Approximate Gamma UCL	14.22		
95% Adjusted Gamma UCL	14.29		
Potential UCL to Use		Use 95% Student's-t UCL	13.77

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	100	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.56	Minimum Detected	-0.58
Maximum Detected	130	Maximum Detected	4.868
Mean of Detected	31.67	Mean of Detected	2.481
SD of Detected	42.49	SD of Detected	1.695
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	6	Maximum Non-Detect	1.792
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	72.73%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.758	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	14.29	Mean	1.427
SD	30.12	SD	1.435
95% DL/2 (t) UCL	25.34	95% H-Stat (DL/2) UCL	32.17
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.673
		SD in Log Scale	2.068
		Mean in Original Scale	13.57
		SD in Original Scale	30.43

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

		95% t UCL	24.74
		95% Percentile Bootstrap UCL	24.44
		95% BCA Bootstrap UCL	30.59
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.494	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	64.13		
nu star	8.89		
A-D Test Statistic	0.203	**Nonparametric Statistics**	
5% A-D Critical Value	0.761	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.761	Mean	13.6
5% K-S Critical Value	0.292	SD	29.72
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	6.728
		95% KM (t) UCL	25.18
Assuming Gamma Distribution		95% KM (z) UCL	24.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	23.98
Minimum	0.56	95% KM (bootstrap t) UCL	43.05
Maximum	130	95% KM (BCA) UCL	29.89
Mean	31.46	95% KM (Percentile Bootstrap) UCL	26.69
Median	29.03	95% KM (Chebyshev) UCL	42.93
SD	26.42	97.5% KM (Chebyshev) UCL	55.62
k star	1.225	99% KM (Chebyshev) UCL	80.55
Theta star	25.68		
Nu star	53.89	**Potential UCLs to Use**	
AppChi2	38.03	95% KM (t) UCL	25.18
95% Gamma Approximate UCL	44.58		
95% Adjusted Gamma UCL	45.78		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
For additional insight, the user may want to consult a statistician.			

	General UCL Statistics for Data Sets with Non-Detects SURFACE SOIL
User Selected Options	
From File	BLOCK F.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	36	Number of Detected Data	25
Number of Distinct Detected Data	22	Number of Non-Detect Data	11
Number of Missing Values	307	Percent Non-Detects	30.56%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.58	Minimum Detected	-0.545
Maximum Detected	7	Maximum Detected	1.946
Mean of Detected	2.522	Mean of Detected	0.751
SD of Detected	1.541	SD of Detected	0.616
Minimum Non-Detect	0.52	Minimum Non-Detect	-0.654
Maximum Non-Detect	2	Maximum Non-Detect	0.693
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	15
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	58.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.893	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.858	Mean	0.171
SD	1.635	SD	1.043
95% DL/2 (t) UCL	2.318	95% H-Stat (DL/2) UCL	3.139
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	1.482	Mean in Log Scale	0.335
SD	2.112	SD in Log Scale	0.825
95% MLE (t) UCL	2.077	Mean in Original Scale	1.922
95% MLE (Tiku) UCL	2.303	SD in Original Scale	1.573
		95% t UCL	2.365
		95% Percentile Bootstrap UCL	2.368
		95% BCA Bootstrap UCL	2.396
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.687	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.939		
nu star	134.3		

A-D Test Statistic	1.25	Nonparametric Statistics	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	1.937
5% K-S Critical Value	0.176	SD	1.539
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.262
		95% KM (t) UCL	2.38
Assuming Gamma Distribution		95% KM (z) UCL	2.368
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2.332
Minimum	0.282	95% KM (bootstrap t) UCL	2.441
Maximum	7	95% KM (BCA) UCL	2.492
Mean	2.138	95% KM (Percentile Bootstrap) UCL	2.404
Median	1.837	95% KM (Chebyshev) UCL	3.079
SD	1.443	97.5% KM (Chebyshev) UCL	3.573
k star	2.329	99% KM (Chebyshev) UCL	4.544
Theta star	0.918		
Nu star	167.7	**Potential UCLs to Use**	
AppChi2	138.7	95% KM (Percentile Bootstrap) UCL	2.404
95% Gamma Approximate UCL	2.584		
95% Adjusted Gamma UCL	2.606		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Data	13	Number of Detected Data	12
Number of Distinct Detected Data	10	Number of Non-Detect Data	1
Number of Missing Values	226	Percent Non-Detects	7.69%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	5.3	Minimum Detected	1.668
Maximum Detected	32.3	Maximum Detected	3.475
Mean of Detected	10.34	Mean of Detected	2.195
SD of Detected	7.391	SD of Detected	0.496
Minimum Non-Detect	3.2	Minimum Non-Detect	1.163
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.63	Shapiro Wilk Test Statistic	0.839
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9.669	Mean	2.062
SD	7.48	SD	0.674
95% DL/2 (t) UCL	13.37	95% H-Stat (DL/2) UCL	15.53

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Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.469	Mean in Log Scale	2.107
SD	7.504	SD in Log Scale	0.569
95% MLE (t) UCL	13.18	Mean in Original Scale	9.768
95% MLE (Tiku) UCL	13.03	SD in Original Scale	7.372
		95% t UCL	13.41
		95% Percentile Bootstrap UCL	13.34
		95% BCA Bootstrap UCL	15.26
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.824	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.662		
nu star	67.77		
A-D Test Statistic	1.038	**Nonparametric Statistics**	
5% A-D Critical Value	0.737	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.737	Mean	9.954
5% K-S Critical Value	0.247	SD	6.93
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.008
		95% KM (t) UCL	13.53
Assuming Gamma Distribution		95% KM (z) UCL	13.26
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	13.49
Minimum	0.408	95% KM (bootstrap t) UCL	21.16
Maximum	32.3	95% KM (BCA) UCL	13.68
Mean	9.578	95% KM (Percentile Bootstrap) UCL	13.49
Median	8	95% KM (Chebyshev) UCL	18.7
SD	7.594	97.5% KM (Chebyshev) UCL	22.49
k star	1.437	99% KM (Chebyshev) UCL	29.93
Theta star	6.666		
Nu star	37.36	**Potential UCLs to Use**	
AppChi2	24.36	95% KM (Chebyshev) UCL	18.7
95% Gamma Approximate UCL	14.69		
95% Adjusted Gamma UCL	15.64		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics			
Number of Valid Data	36	Number of Detected Data	32
Number of Distinct Detected Data	26	Number of Non-Detect Data	4
Number of Missing Values	307	Percent Non-Detects	11.11%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	81	Maximum Detected	4.394
Mean of Detected	11.54	Mean of Detected	2.128
SD of Detected	14.72	SD of Detected	0.684

Minimum Non-Detect	2.6	Minimum Non-Detect	0.956
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	31
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	13.89%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.476	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10.42	Mean	1.931
SD	14.22	SD	0.857
95% DL/2 (t) UCL	14.42	95% H-Stat (DL/2) UCL	13.75
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.163	Mean in Log Scale	1.965
SD	15.41	SD in Log Scale	0.796
95% MLE (t) UCL	13.5	Mean in Original Scale	10.48
95% MLE (Tiku) UCL	13.29	SD in Original Scale	14.18
		95% t UCL	14.47
		95% Percentile Bootstrap UCL	14.78
		95% BCA Bootstrap UCL	16.58
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.581	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	7.298		
nu star	101.2		
A-D Test Statistic	2.459	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	10.58
5% K-S Critical Value	0.158	SD	13.92
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.358
		95% KM (t) UCL	14.56
Assuming Gamma Distribution		95% KM (z) UCL	14.46
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	14.53
Minimum	1E-12	95% KM (bootstrap t) UCL	23.56
Maximum	81	95% KM (BCA) UCL	15.2
Mean	10.26	95% KM (Percentile Bootstrap) UCL	14.82
Median	7.8	95% KM (Chebyshev) UCL	20.86
SD	14.33	97.5% KM (Chebyshev) UCL	25.3
k star	0.21	99% KM (Chebyshev) UCL	34.04
Theta star	48.93		
Nu star	15.1	**Potential UCLs to Use**	
AppChi2	7.328	95% KM (Chebyshev) UCL	20.86
95% Gamma Approximate UCL	21.13		
95% Adjusted Gamma UCL	21.87		

Note: DL/2 is not a recommended method.

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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	47	Number of Detected Data	17
Number of Distinct Detected Data	15	Number of Non-Detect Data	30
Number of Missing Values	296	Percent Non-Detects	63.83%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	1.8	Maximum Detected	0.588
Mean of Detected	0.461	Mean of Detected	-1.794
SD of Detected	0.508	SD of Detected	1.804
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	37
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.72%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.829	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.892	5% Shapiro Wilk Critical Value	0.892
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.194	Mean	-2.908
SD	0.362	SD	1.609
95% DL/2 (t) UCL	0.282	95% H-Stat (DL/2) UCL	0.412
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.199
		SD in Log Scale	2.494
		Mean in Original Scale	0.174
		SD in Original Scale	0.371
		95% t UCL	0.265
		95% Percentile Bootstrap UCL	0.259
		95% BCA Bootstrap UCL	0.282
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.538	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.856		
nu star	18.29		
A-D Test Statistic	0.604	**Nonparametric Statistics**	
5% A-D Critical Value	0.789	Kaplan-Meier (KM) Method	

K-S Test Statistic	0.189	Mean	0.179
5% K-S Critical Value	0.219	SD	0.365
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.055
		95% KM (t) UCL	0.271
Assuming Gamma Distribution		95% KM (z) UCL	0.27
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.27
Minimum	0.01	95% KM (bootstrap t) UCL	0.308
Maximum	1.8	95% KM (BCA) UCL	0.281
Mean	0.419	95% KM (Percentile Bootstrap) UCL	0.272
Median	0.307	95% KM (Chebyshev) UCL	0.419
SD	0.355	97.5% KM (Chebyshev) UCL	0.523
k star	1.133	99% KM (Chebyshev) UCL	0.726
Theta star	0.37		
Nu star	106.5	**Potential UCLs to Use**	
AppChi2	83.65	95% KM (t) UCL	0.271
95% Gamma Approximate UCL	0.533		
95% Adjusted Gamma UCL	0.537		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

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1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	38	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	36
Number of Missing Values	305	Percent Non-Detects	94.74%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	58	Minimum Detected	4.06
Maximum Detected	31000	Maximum Detected	10.34
Mean of Detected	15529	Mean of Detected	7.201
SD of Detected	21879	SD of Detected	4.442
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	420	Maximum Non-Detect	6.04
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	37
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	97.37%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	973.1	Mean	4.647
SD	5003	SD	1.962
95% DL/2 (t) UCL	2342	95% H-Stat (DL/2) UCL	2347
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	872.3
5% K-S Critical Value	N/A	SD	4953
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1136
		95% KM (t) UCL	2789
Assuming Gamma Distribution		95% KM (z) UCL	2741
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	21070
Minimum	N/A	95% KM (bootstrap t) UCL	872.3
Maximum	N/A	95% KM (BCA) UCL	31000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	31000
Median	N/A	95% KM (Chebyshev) UCL	5825
SD	N/A	97.5% KM (Chebyshev) UCL	7968
k star	N/A	99% KM (Chebyshev) UCL	12178
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	

Approx.	N/A	99% KM (Chebyshev) UCL	12178
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	153	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	153
Number of Missing Values	190	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	153	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	149
Number of Missing Values	190	Percent Non-Detects	97.39%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	15	Minimum Detected	2.708
Maximum Detected	27	Maximum Detected	3.296
Mean of Detected	20.5	Mean of Detected	2.998
SD of Detected	5	SD of Detected	0.243
Minimum Non-Detect	19	Minimum Non-Detect	2.944
Maximum Non-Detect	310	Maximum Non-Detect	5.737

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	153
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	0
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.982	Shapiro Wilk Test Statistic	0.995
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	27.59	Mean	2.979
SD	35.03	SD	0.673
95% DL/2 (t) UCL	32.28	95% H-Stat (DL/2) UCL	27.44
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	2.728
		SD in Log Scale	0.168
		Mean in Original Scale	15.52
		SD in Original Scale	2.666
		95% t UCL	15.87
		95% Percentile Bootstrap UCL	15.9
		95% BCA Bootstrap UCL	15.87
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	5.835	**Data appear Normal at 5% Significance Level**	
Theta Star	3.513		
nu star	46.68		
A-D Test Statistic	0.21	**Nonparametric Statistics**	
5% A-D Critical Value	0.657	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.657	Mean	15.95
5% K-S Critical Value	0.394	SD	2.302
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.665
		95% KM (t) UCL	17.05
Assuming Gamma Distribution		95% KM (z) UCL	17.04
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	18.29
Minimum	15	95% KM (bootstrap t) UCL	17.01
Maximum	27	95% KM (BCA) UCL	27
Mean	21.27	95% KM (Percentile Bootstrap) UCL	21.49
Median	21.59	95% KM (Chebyshev) UCL	18.85
SD	1.465	97.5% KM (Chebyshev) UCL	20.1
k star	199.3	99% KM (Chebyshev) UCL	22.57
Theta star	0.107		
Nu star	60991	**Potential UCLs to Use**	
AppChi2	60418	95% KM (t) UCL	17.05
95% Gamma Approximate UCL	21.47	95% KM (Percentile Bootstrap) UCL	21.49
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Number of Valid Data	22	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	19
Number of Missing Values	321	Percent Non-Detects	86.36%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	12000	Minimum Detected	9.393
Maximum Detected	881000	Maximum Detected	13.69
Mean of Detected	303333	Mean of Detected	10.94
SD of Detected	500280	SD of Detected	2.386
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	25000	Maximum Non-Detect	10.13
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.45%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.754	Shapiro Wilk Test Statistic	0.81
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	48909	Mean	9.277
SD	185881	SD	1.054
95% DL/2 (t) UCL	117102	95% H-Stat (DL/2) UCL	34362
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	4.36
		SD in Log Scale	3.758
		Mean in Original Scale	41640
		SD in Original Scale	187523
		95% t UCL	110436
		95% Percentile Bootstrap UCL	121458
		95% BCA Bootstrap UCL	162515
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Lognormal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

K-S Test Statistic	N/A	Mean	51898
5% K-S Critical Value	N/A	SD	180930
Data not Gamma Distributed at 5% Significance Level		SE of Mean	47245
		95% KM (t) UCL	133194
Assuming Gamma Distribution		95% KM (z) UCL	129608
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	116419
Minimum	N/A	95% KM (bootstrap t) UCL	4066300
Maximum	N/A	95% KM (BCA) UCL	881000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	257833
SD	N/A	97.5% KM (Chebyshev) UCL	346941
k star	N/A	99% KM (Chebyshev) UCL	521977
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	99% KM (Chebyshev) UCL	521977
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	36	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	35
Number of Missing Values	307	Percent Non-Detects	97.22%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable GASOLINE RANGE ORGANICS was not processed!

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

VANADIUM

General Statistics

Number of Valid Observations	13	Number of Distinct Observations	13
Number of Missing Values	226		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.7	Minimum of Log Data	3.03
Maximum	61.6	Maximum of Log Data	4.121
Mean	34.86	Mean of log Data	3.516
Median	32.8	SD of log Data	0.27
SD	10.26		
Coefficient of Variation	0.294		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.873	Shapiro Wilk Test Statistic	0.953
Shapiro Wilk Critical Value	0.866	Shapiro Wilk Critical Value	0.866
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	39.93	95% H-UCL	40.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	46.24
95% Adjusted-CLT UCL (Chen-1995)	40.83	97.5% Chebyshev (MVUE) UCL	51.18
95% Modified-t UCL (Johnson-1978)	40.13	99% Chebyshev (MVUE) UCL	60.9
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	11.12	**Data appear Normal at 5% Significance Level**	
Theta Star	3.134		
MLE of Mean	34.86		
MLE of Standard Deviation	10.45		
nu star	289.2		
Approximate Chi Square Value (.05)	250.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0301	95% CLT UCL	39.54
Adjusted Chi Square Value	245.7	95% Jackknife UCL	39.93
		95% Standard Bootstrap UCL	39.51
Anderson-Darling Test Statistic	0.435	95% Bootstrap-t UCL	42.76
Anderson-Darling 5% Critical Value	0.734	95% Hall's Bootstrap UCL	68.58
Kolmogorov-Smirnov Test Statistic	0.215	95% Percentile Bootstrap UCL	39.69
Kolmogorov-Smirnov 5% Critical Value	0.236	95% BCA Bootstrap UCL	40.49
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.27
		97.5% Chebyshev(Mean, Sd) UCL	52.63

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	63.17
95% Approximate Gamma UCL	40.2		
95% Adjusted Gamma UCL	41.03		
Potential UCL to Use		Use 95% Student's-t UCL	39.93

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Data	35	Number of Detected Data	34
Number of Distinct Detected Data	27	Number of Non-Detect Data	1
Number of Missing Values	1	Percent Non-Detects	2.86%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.265	Minimum Detected	-1.328
Maximum Detected	1.97	Maximum Detected	0.678
Mean of Detected	0.883	Mean of Detected	-0.22
SD of Detected	0.393	SD of Detected	0.456
Minimum Non-Detect	0.13	Minimum Non-Detect	-2.04
Maximum Non-Detect	0.13	Maximum Non-Detect	-2.04

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.973
5% Shapiro Wilk Critical Value	0.933	5% Shapiro Wilk Critical Value	0.933
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.86	Mean	-0.292
SD	0.411	SD	0.618
95% DL/2 (t) UCL	0.977	95% H-Stat (DL/2) UCL	1.123
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.857	Mean in Log Scale	-0.253
SD	0.412	SD in Log Scale	0.489
95% MLE (t) UCL	0.975	Mean in Original Scale	0.865
95% MLE (Tiku) UCL	0.974	SD in Original Scale	0.401
		95% t UCL	0.98
		95% Percentile Bootstrap UCL	0.977
		95% BCA Bootstrap UCL	0.99
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.926	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.179		
nu star	335		
A-D Test Statistic	0.223	**Nonparametric Statistics**	

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	0.866
5% K-S Critical Value	0.151	SD	0.395
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0678
		95% KM (t) UCL	0.98
Assuming Gamma Distribution		95% KM (z) UCL	0.977
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.98
Minimum	1E-12	95% KM (bootstrap t) UCL	0.993
Maximum	1.97	95% KM (BCA) UCL	0.977
Mean	0.858	95% KM (Percentile Bootstrap) UCL	0.982
Median	0.8	95% KM (Chebyshev) UCL	1.161
SD	0.415	97.5% KM (Chebyshev) UCL	1.289
k star	0.668	99% KM (Chebyshev) UCL	1.54
Theta star	1.285		
Nu star	46.75	**Potential UCLs to Use**	
AppChi2	32.06	95% KM (BCA) UCL	0.977
95% Gamma Approximate UCL	1.251		
95% Adjusted Gamma UCL	1.274		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	316	Number of Detected Data	85
Number of Distinct Detected Data	83	Number of Non-Detect Data	231
Number of Missing Values	24	Percent Non-Detects	73.10%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.285	Minimum Detected	0.826
Maximum Detected	7604	Maximum Detected	8.936
Mean of Detected	333.1	Mean of Detected	4.123
SD of Detected	948	SD of Detected	1.83
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	303
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	13
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.89%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.364	Lilliefors Test Statistic	0.0964
5% Lilliefors Critical Value	0.0961	5% Lilliefors Critical Value	0.0961
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	102.6	Mean	1.292
SD	511.4	SD	2.372
95% DL/2 (t) UCL	150	95% H-Stat (DL/2) UCL	96.85
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.0899
		SD in Log Scale	3.388
		Mean in Original Scale	90.51
		SD in Original Scale	511.3
		95% t UCL	138
		95% Percentile Bootstrap UCL	144.7
		95% BCA Bootstrap UCL	171.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.386	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	863.8		

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

nu star	65.57		
A-D Test Statistic	4.341	**Nonparametric Statistics**	
5% A-D Critical Value	0.845	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.845	Mean	92.51
5% K-S Critical Value	0.104	SD	510.4
Data not Gamma Distributed at 5% Significance Level		SE of Mean	28.89
		95% KM (t) UCL	140.2
Assuming Gamma Distribution		95% KM (z) UCL	140
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	140
Minimum	2.285	95% KM (bootstrap t) UCL	190.6
Maximum	7604	95% KM (BCA) UCL	148.5
Mean	620.6	95% KM (Percentile Bootstrap) UCL	144.2
Median	329.7	95% KM (Chebyshev) UCL	218.5
SD	750.3	97.5% KM (Chebyshev) UCL	273
k star	0.748	99% KM (Chebyshev) UCL	380
Theta star	829.1		
Nu star	473.1	**Potential UCLs to Use**	
AppChi2	423.6	95% KM (Chebyshev) UCL	218.5
95% Gamma Approximate UCL	693		
95% Adjusted Gamma UCL	693.3		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

VANADIUM

General Statistics

Number of Valid Observations	13	Number of Distinct Observations	13
Number of Missing Values	227		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.7	Minimum of Log Data	3.03
Maximum	61.6	Maximum of Log Data	4.121
Mean	34.86	Mean of log Data	3.516
Median	32.8	SD of log Data	0.27
SD	10.26		
Coefficient of Variation	0.294		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.873	Shapiro Wilk Test Statistic	0.953
Shapiro Wilk Critical Value	0.866	Shapiro Wilk Critical Value	0.866
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	39.93	95% H-UCL	40.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	46.24
95% Adjusted-CLT UCL (Chen-1995)	40.83	97.5% Chebyshev (MVUE) UCL	51.18
95% Modified-t UCL (Johnson-1978)	40.13	99% Chebyshev (MVUE) UCL	60.9
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	11.12	**Data appear Normal at 5% Significance Level**	
Theta Star	3.134		
MLE of Mean	34.86		
MLE of Standard Deviation	10.45		
nu star	289.2		
Approximate Chi Square Value (.05)	250.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0301	95% CLT UCL	39.54
Adjusted Chi Square Value	245.7	95% Jackknife UCL	39.93
		95% Standard Bootstrap UCL	39.41
Anderson-Darling Test Statistic	0.435	95% Bootstrap-t UCL	42.88
Anderson-Darling 5% Critical Value	0.734	95% Hall's Bootstrap UCL	67.61
Kolmogorov-Smirnov Test Statistic	0.215	95% Percentile Bootstrap UCL	39.71
Kolmogorov-Smirnov 5% Critical Value	0.236	95% BCA Bootstrap UCL	40.18
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.27
		97.5% Chebyshev(Mean, Sd) UCL	52.63

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL	63.17
95% Approximate Gamma UCL	40.2						
95% Adjusted Gamma UCL	41.03						
Potential UCL to Use						Use 95% Student's-t UCL	39.93
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK G.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	19	Number of Non-Detect Data	7
Number of Missing Values	839	Percent Non-Detects	21.88%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.61	Minimum Detected	-0.494
Maximum Detected	8.3	Maximum Detected	2.116
Mean of Detected	3.46	Mean of Detected	1.04
SD of Detected	2.091	SD of Detected	0.69
Minimum Non-Detect	0.53	Minimum Non-Detect	-0.635
Maximum Non-Detect	5	Maximum Non-Detect	1.609
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.935	Shapiro Wilk Test Statistic	0.959
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.93	Mean	0.769
SD	2.129	SD	0.867
95% DL/2 (t) UCL	3.569	95% H-Stat (DL/2) UCL	4.477
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	3.627	Mean in Log Scale	0.805
SD	1.944	SD in Log Scale	0.782
95% MLE (t) UCL	4.21	Mean in Original Scale	2.934
95% MLE (Tiku) UCL	4.81	SD in Original Scale	2.109
		95% t UCL	3.566
		95% Percentile Bootstrap UCL	3.558
		95% BCA Bootstrap UCL	3.634
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.342	**Data appear Normal at 5% Significance Level**	
Theta Star	1.477		

nu star	117.1		
A-D Test Statistic	0.239	**Nonparametric Statistics**	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	2.937
5% K-S Critical Value	0.176	SD	2.09
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.381
		95% KM (t) UCL	3.582
Assuming Gamma Distribution		95% KM (z) UCL	3.563
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.575
Minimum	1E-12	95% KM (bootstrap t) UCL	3.633
Maximum	8.3	95% KM (BCA) UCL	3.609
Mean	3.11	95% KM (Percentile Bootstrap) UCL	3.564
Median	2.677	95% KM (Chebyshev) UCL	4.596
SD	2.047	97.5% KM (Chebyshev) UCL	5.313
k star	0.545	99% KM (Chebyshev) UCL	6.723
Theta star	5.701		
Nu star	34.91	**Potential UCLs to Use**	
AppChi2	22.39	95% KM (t) UCL	3.582
95% Gamma Approximate UCL	4.848	95% KM (Percentile Bootstrap) UCL	3.564
95% Adjusted Gamma UCL	4.967		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Data	14	Number of Detected Data	13
Number of Distinct Detected Data	13	Number of Non-Detect Data	1
Number of Missing Values	653	Percent Non-Detects	7.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.6	Minimum Detected	0.956
Maximum Detected	68.1	Maximum Detected	4.221
Mean of Detected	11.78	Mean of Detected	1.978
SD of Detected	17.39	SD of Detected	0.892
Minimum Non-Detect	11	Minimum Non-Detect	2.398
Maximum Non-Detect	11	Maximum Non-Detect	2.398

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.517	Shapiro Wilk Test Statistic	0.894
5% Shapiro Wilk Critical Value	0.866	5% Shapiro Wilk Critical Value	0.866
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	11.33	Mean	1.959
SD	16.79	SD	0.86
95% DL/2 (t) UCL	19.28	95% H-Stat (DL/2) UCL	18.96
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.951
		SD in Log Scale	0.863
		Mean in Original Scale	11.29
		SD in Original Scale	16.81
		95% t UCL	19.24
		95% Percentile Bootstrap UCL	20.09
		95% BCA Bootstrap UCL	23.69
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.946	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	12.44		
nu star	24.6		
A-D Test Statistic	1.012	**Nonparametric Statistics**	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	11.3
5% K-S Critical Value	0.242	SD	16.2
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	4.51
		95% KM (t) UCL	19.28
Assuming Gamma Distribution		95% KM (z) UCL	18.72
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	19.26
Minimum	2.6	95% KM (bootstrap t) UCL	38.05
Maximum	68.1	95% KM (BCA) UCL	20.06
Mean	11.43	95% KM (Percentile Bootstrap) UCL	19.78
Median	6.246	95% KM (Chebyshev) UCL	30.96
SD	16.76	97.5% KM (Chebyshev) UCL	39.46
k star	1.01	99% KM (Chebyshev) UCL	56.17
Theta star	11.32		
Nu star	28.27	**Potential UCLs to Use**	
AppChi2	17.14	95% KM (Chebyshev) UCL	30.96
95% Gamma Approximate UCL	18.85		
95% Adjusted Gamma UCL	20.2		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	24	Number of Detected Data	23
Number of Distinct Detected Data	19	Number of Non-Detect Data	1
Number of Missing Values	847	Percent Non-Detects	4.17%

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Raw Statistics		Log-transformed Statistics	
Minimum Detected	2	Minimum Detected	0.693
Maximum Detected	18	Maximum Detected	2.89
Mean of Detected	7.322	Mean of Detected	1.864
SD of Detected	3.799	SD of Detected	0.522
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1	Maximum Non-Detect	0

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.899	Shapiro Wilk Test Statistic	0.959
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.038	Mean	1.757
SD	3.968	SD	0.73
95% DL/2 (t) UCL	8.426	95% H-Stat (DL/2) UCL	10.6
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	6.985	Mean in Log Scale	1.811
SD	3.992	SD in Log Scale	0.574
95% MLE (t) UCL	8.382	Mean in Original Scale	7.091
95% MLE (Tiku) UCL	8.371	SD in Original Scale	3.884
		95% t UCL	8.45
		95% Percentile Bootstrap UCL	8.333
		95% BCA Bootstrap UCL	8.495
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.595	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2.037		
nu star	165.4		
A-D Test Statistic	0.597	**Nonparametric Statistics**	
5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	7.1
5% K-S Critical Value	0.182	SD	3.79
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.791
		95% KM (t) UCL	8.456
Assuming Gamma Distribution		95% KM (z) UCL	8.401
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.429
Minimum	1E-12	95% KM (bootstrap t) UCL	8.775
Maximum	18	95% KM (BCA) UCL	8.417
Mean	7.017	95% KM (Percentile Bootstrap) UCL	8.425
Median	5.75	95% KM (Chebyshev) UCL	10.55
SD	4.005	97.5% KM (Chebyshev) UCL	12.04
k star	0.453	99% KM (Chebyshev) UCL	14.97
Theta star	15.49		

Nu star	21.74	**Potential UCLs to Use**	
AppChi2	12.14	95% KM (BCA) UCL	8.417
95% Gamma Approximate UCL	12.56		
95% Adjusted Gamma UCL	13.11		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	24	Number of Detected Data	12
Number of Distinct Detected Data	6	Number of Non-Detect Data	12
Number of Missing Values	847	Percent Non-Detects	50.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.007	Minimum Detected	-4.962
Maximum Detected	0.03	Maximum Detected	-3.507
Mean of Detected	0.0114	Mean of Detected	-4.579
SD of Detected	0.00678	SD of Detected	0.433
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.627	Shapiro Wilk Test Statistic	0.748
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0294	Mean	-3.885
SD	0.0227	SD	0.901
95% DL/2 (t) UCL	0.0374	95% H-Stat (DL/2) UCL	0.0485
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-4.597
		SD in Log Scale	0.345
		Mean in Original Scale	0.0108
		SD in Original Scale	0.00504
		95% t UCL	0.0126
		95% Percentile Bootstrap UCL	0.0125
		95% BCA Bootstrap UCL	0.0133

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	3.709	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.00308		
nu star	89.01		
A-D Test Statistic	1.596	Nonparametric Statistics	
5% A-D Critical Value	0.732	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.732	Mean	0.011
5% K-S Critical Value	0.246	SD	0.00609
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00171
		95% KM (t) UCL	0.014
Assuming Gamma Distribution		95% KM (z) UCL	0.0138
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.014
Minimum	0.007	95% KM (bootstrap t) UCL	0.0238
Maximum	0.03	95% KM (BCA) UCL	0.014
Mean	0.0116	95% KM (Percentile Bootstrap) UCL	0.014
Median	0.0109	95% KM (Chebyshev) UCL	0.0185
SD	0.00477	97.5% KM (Chebyshev) UCL	0.0217
k star	8.006	99% KM (Chebyshev) UCL	0.028
Theta star	0.00145		
Nu star	384.3	Potential UCLs to Use	
AppChi2	339.9	95% KM (t) UCL	0.014
95% Gamma Approximate UCL	0.0131	95% KM (% Bootstrap) UCL	0.014
95% Adjusted Gamma UCL	0.0133		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24

Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	68	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	62
Number of Missing Values	803	Percent Non-Detects	91.18%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.4	Minimum Detected	2.128
Maximum Detected	510	Maximum Detected	6.234
Mean of Detected	147.9	Mean of Detected	4.167

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SD of Detected	193.4	SD of Detected	1.511
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	67
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.53%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.781	Shapiro Wilk Test Statistic	0.986
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	50.93	Mean	2.274
SD	90.86	SD	1.906
95% DL/2 (t) UCL	69.3	95% H-Stat (DL/2) UCL	115.4
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.521
		SD in Log Scale	2.42
		Mean in Original Scale	13.39
		SD in Original Scale	67.59
		95% t UCL	27.06
		95% Percentile Bootstrap UCL	28.2
		95% BCA Bootstrap UCL	41.61
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.474	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	312.3		
nu star	5.683		
A-D Test Statistic	0.238	**Nonparametric Statistics**	
5% A-D Critical Value	0.722	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.722	Mean	21.85
5% K-S Critical Value	0.344	SD	66.56
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	9.006
		95% KM (t) UCL	36.87
Assuming Gamma Distribution		95% KM (z) UCL	36.66
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	34.52
Minimum	1E-12	95% KM (bootstrap t) UCL	57.55
Maximum	510	95% KM (BCA) UCL	220

Mean	124.1	95% KM (Percentile Bootstrap) UCL	72.64
Median	125.9	95% KM (Chebyshev) UCL	61.11
SD	88.42	97.5% KM (Chebyshev) UCL	78.09
k star	0.212	99% KM (Chebyshev) UCL	111.5
Theta star	586.1		
Nu star	28.81	**Potential UCLs to Use**	
AppChi2	17.56	95% KM (t) UCL	36.87
95% Gamma Approximate UCL	203.7		
95% Adjusted Gamma UCL	205.9		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	24	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	22
Number of Missing Values	847	Percent Non-Detects	91.67%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.1	Minimum Detected	2.092
Maximum Detected	14	Maximum Detected	2.639
Mean of Detected	11.05	Mean of Detected	2.365
SD of Detected	4.172	SD of Detected	0.387
Minimum Non-Detect	36	Minimum Non-Detect	3.584
Maximum Non-Detect	300	Maximum Non-Detect	5.704

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.			
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.			
Those methods will return a 'N/A' value on your output display!			
It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	71.3	Mean	3.757
SD	64.16	SD	1.073
95% DL/2 (t) UCL	93.74	95% H-Stat (DL/2) UCL	137.3
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	11.05
5% K-S Critical Value	N/A	SD	2.95
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.95
		95% KM (t) UCL	16.11
Assuming Gamma Distribution		95% KM (z) UCL	15.9
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	18.05
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	14
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	23.91

SD	N/A	97.5% KM (Chebyshev) UCL	29.47
k star	N/A	99% KM (Chebyshev) UCL	40.4
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	16.11
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Warning: Recommended UCL exceeds the maximum observation

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	37	Number of Detected Data	14
Number of Distinct Detected Data	14	Number of Non-Detect Data	23
Number of Missing Values	834	Percent Non-Detects	62.16%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	840	Minimum Detected	6.733
Maximum Detected	105000	Maximum Detected	11.56
Mean of Detected	33046	Mean of Detected	9.724
SD of Detected	32993	SD of Detected	1.444
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	13000	Maximum Non-Detect	9.473
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.68%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.859	Shapiro Wilk Test Statistic	0.937
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	16220	Mean	9.085
SD	23879	SD	1.005
95% DL/2 (t) UCL	22848	95% H-Stat (DL/2) UCL	21811
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	8.526
		SD in Log Scale	1.516
		Mean in Original Scale	14788
		SD in Original Scale	24648

		95% t UCL	21630
		95% Percentile Bootstrap UCL	21982
		95% BCA Bootstrap UCL	23816
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.725	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	45555		
nu star	20.31		
A-D Test Statistic	0.187	**Nonparametric Statistics**	
5% A-D Critical Value	0.766	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.766	Mean	14555
5% K-S Critical Value	0.236	SD	24352
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	4210
		95% KM (t) UCL	21663
Assuming Gamma Distribution		95% KM (z) UCL	21480
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	21568
Minimum	840	95% KM (bootstrap t) UCL	25801
Maximum	105000	95% KM (BCA) UCL	22978
Mean	28828	95% KM (Percentile Bootstrap) UCL	21951
Median	26638	95% KM (Chebyshev) UCL	32908
SD	21911	97.5% KM (Chebyshev) UCL	40849
k star	1.506	99% KM (Chebyshev) UCL	56448
Theta star	19137		
Nu star	111.5	**Potential UCLs to Use**	
AppChi2	88.1	95% KM (t) UCL	21663
95% Gamma Approximate UCL	36475		
95% Adjusted Gamma UCL	36852		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	46	Number of Detected Data	21
Number of Distinct Detected Data	21	Number of Non-Detect Data	25
Number of Missing Values	825	Percent Non-Detects	54.35%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	34	Minimum Detected	3.526
Maximum Detected	980000	Maximum Detected	13.8
Mean of Detected	174565	Mean of Detected	8.56
SD of Detected	278855	SD of Detected	4.089
Minimum Non-Detect	110	Minimum Non-Detect	4.7
Maximum Non-Detect	12800	Maximum Non-Detect	9.457
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36

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For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.26%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.691	Shapiro Wilk Test Statistic	0.835
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	81771	Mean	7.806
SD	204835	SD	3.227
95% DL/2 (t) UCL	132492	95% H-Stat (DL/2) UCL	5914340
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	6.562
		SD in Log Scale	3.45
		Mean in Original Scale	79826
		SD in Original Scale	205589
		95% t UCL	130734
		95% Percentile Bootstrap UCL	129702
		95% BCA Bootstrap UCL	141371
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.21	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	829992		
nu star	8.833		
A-D Test Statistic	1.134	**Nonparametric Statistics**	
5% A-D Critical Value	0.887	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.887	Mean	79860
5% K-S Critical Value	0.209	SD	203330
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	30720
		95% KM (t) UCL	131452
Assuming Gamma Distribution		95% KM (z) UCL	130390
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	130765
Minimum	34	95% KM (bootstrap t) UCL	163382
Maximum	980000	95% KM (BCA) UCL	131469
Mean	151730	95% KM (Percentile Bootstrap) UCL	134082
Median	128370	95% KM (Chebyshev) UCL	213765
SD	187730	97.5% KM (Chebyshev) UCL	271706
k star	0.394	99% KM (Chebyshev) UCL	385520
Theta star	385222		
Nu star	36.24	**Potential UCLs to Use**	
AppChi2	23.46	95% KM (t) UCL	131452
95% Gamma Approximate UCL	234371		
95% Adjusted Gamma UCL	237753		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

IRON

General Statistics

Number of Valid Observations	2	Number of Distinct Observations	2
Number of Missing Values	642		

Warning: This data set only has 2 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable IRON was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

MANGANESE

General Statistics

Number of Valid Observations	2	Number of Distinct Observations	2
Number of Missing Values	642		

Warning: This data set only has 2 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable MANGANESE was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

VANADIUM

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	14
Number of Missing Values	653		

Raw Statistics		**Log-transformed Statistics**	
Minimum	13.3	Minimum of Log Data	2.588
Maximum	72.7	Maximum of Log Data	4.286
Mean	36.63	Mean of log Data	3.445
Median	34.6	SD of log Data	0.594

SD	20.36		
Coefficient of Variation	0.556		
Skewness	0.519		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.916	Shapiro Wilk Test Statistic	0.933
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	46.26	95% H-UCL	53.61
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	63.32
95% Adjusted-CLT UCL (Chen-1995)	46.38	97.5% Chebyshev (MVUE) UCL	74.77
95% Modified-t UCL (Johnson-1978)	46.39	99% Chebyshev (MVUE) UCL	97.27
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.695	**Data appear Normal at 5% Significance Level**	
Theta Star	13.59		
MLE of Mean	36.63		
MLE of Standard Deviation	22.31		
nu star	75.47		
Approximate Chi Square Value (.05)	56.46	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	45.58
Adjusted Chi Square Value	54.28	95% Jackknife UCL	46.26
		95% Standard Bootstrap UCL	45.49
Anderson-Darling Test Statistic	0.335	95% Bootstrap-t UCL	47.33
Anderson-Darling 5% Critical Value	0.742	95% Hall's Bootstrap UCL	45.51
Kolmogorov-Smirnov Test Statistic	0.149	95% Percentile Bootstrap UCL	45.2
Kolmogorov-Smirnov 5% Critical Value	0.23	95% BCA Bootstrap UCL	45.62
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	60.34
		97.5% Chebyshev(Mean, Sd) UCL	70.6
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	90.76
95% Approximate Gamma UCL	48.96		
95% Adjusted Gamma UCL	50.92		
Potential UCL to Use		Use 95% Student's-t UCL	46.26

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	24	Number of Distinct Observations	23
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.345	Minimum of Log Data	-1.064
Maximum	2	Maximum of Log Data	0.693
Mean	0.949	Mean of log Data	-0.197
Median	0.858	SD of log Data	0.56
SD	0.503		
Coefficient of Variation	0.53		
Skewness	0.518		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.918	Shapiro Wilk Test Statistic	0.934
Shapiro Wilk Critical Value	0.916	Shapiro Wilk Critical Value	0.916
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.124	95% H-UCL	1.218
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.452
95% Adjusted-CLT UCL (Chen-1995)	1.129	97.5% Chebyshev (MVUE) UCL	1.668
95% Modified-t UCL (Johnson-1978)	1.126	99% Chebyshev (MVUE) UCL	2.092
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.208	**Data appear Normal at 5% Significance Level**	
Theta Star	0.296		
MLE of Mean	0.949		
MLE of Standard Deviation	0.53		
nu star	154		
Approximate Chi Square Value (.05)	126.3	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0392	95% CLT UCL	1.117
Adjusted Chi Square Value	124.5	95% Jackknife UCL	1.124
		95% Standard Bootstrap UCL	1.11
Anderson-Darling Test Statistic	0.533	95% Bootstrap-t UCL	1.137
Anderson-Darling 5% Critical Value	0.75	95% Hall's Bootstrap UCL	1.127
Kolmogorov-Smirnov Test Statistic	0.13	95% Percentile Bootstrap UCL	1.115
Kolmogorov-Smirnov 5% Critical Value	0.179	95% BCA Bootstrap UCL	1.124
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.396
		97.5% Chebyshev(Mean, Sd) UCL	1.589

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.969
95% Approximate Gamma UCL	1.156		
95% Adjusted Gamma UCL	1.173		
Potential UCL to Use		Use 95% Student's-t UCL	1.124

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	844	Number of Detected Data	414
Number of Distinct Detected Data	408	Number of Non-Detect Data	430
Number of Missing Values	28	Percent Non-Detects	50.95%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	57089	Maximum Detected	10.95
Mean of Detected	1322	Mean of Detected	4.595
SD of Detected	4487	SD of Detected	2.289
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	734
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	110
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	86.97%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.384	Lilliefors Test Statistic	0.0945
5% Lilliefors Critical Value	0.0435	5% Lilliefors Critical Value	0.0435
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	650.8	Mean	2.233
SD	3209	SD	2.885
95% DL/2 (t) UCL	832.7	95% H-Stat (DL/2) UCL	891.8
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.616
		SD in Log Scale	3.663
		Mean in Original Scale	648.9
		SD in Original Scale	3209
		95% t UCL	830.8
		95% Percentile Bootstrap UCL	839.7
		95% BCA Bootstrap UCL	883.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.27	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	4891		

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

nu star	223.7		
A-D Test Statistic	31.06	**Nonparametric Statistics**	
5% A-D Critical Value	0.885	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.885	Mean	649
5% K-S Critical Value	0.0487	SD	3207
Data not Gamma Distributed at 5% Significance Level		SE of Mean	110.5
		95% KM (t) UCL	831
Assuming Gamma Distribution		95% KM (z) UCL	830.8
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	830.9
Minimum	1E-12	95% KM (bootstrap t) UCL	905.6
Maximum	57089	95% KM (BCA) UCL	842.4
Mean	1286	95% KM (Percentile Bootstrap) UCL	839.9
Median	105.8	95% KM (Chebyshev) UCL	1131
SD	3397	97.5% KM (Chebyshev) UCL	1339
k star	0.104	99% KM (Chebyshev) UCL	1749
Theta star	12368		
Nu star	175.4	**Potential UCLs to Use**	
AppChi2	145.8	97.5% KM (Chebyshev) UCL	1339
95% Gamma Approximate UCL	1547		
95% Adjusted Gamma UCL	1547		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	45	Number of Detected Data	9
Number of Distinct Detected Data	8	Number of Non-Detect Data	36
Number of Missing Values	827	Percent Non-Detects	80.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.62	Minimum Detected	-0.478
Maximum Detected	620	Maximum Detected	6.43
Mean of Detected	152.8	Mean of Detected	3.38
SD of Detected	200.5	SD of Detected	2.575
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	362	Maximum Non-Detect	5.892
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	44
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	97.78%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.775	Shapiro Wilk Test Statistic	0.871
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	54.09	Mean	1.473
SD	114	SD	2.301
95% DL/2 (t) UCL	82.64	95% H-Stat (DL/2) UCL	257.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.179
		SD in Log Scale	2.53
		Mean in Original Scale	31.22
		SD in Original Scale	105.3

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

		95% t UCL	57.59
		95% Percentile Bootstrap UCL	57.64
		95% BCA Bootstrap UCL	72.53
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.34	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	449		
nu star	6.124		
A-D Test Statistic	0.502	**Nonparametric Statistics**	
5% A-D Critical Value	0.789	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.789	Mean	33.78
5% K-S Critical Value	0.298	SD	105.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	17.12
		95% KM (t) UCL	62.54
Assuming Gamma Distribution		95% KM (z) UCL	61.93
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	60.4
Minimum	1E-12	95% KM (bootstrap t) UCL	92.12
Maximum	1523	95% KM (BCA) UCL	72.03
Mean	325.5	95% KM (Percentile Bootstrap) UCL	67.72
Median	262.5	95% KM (Chebyshev) UCL	108.4
SD	340.4	97.5% KM (Chebyshev) UCL	140.7
k star	0.238	99% KM (Chebyshev) UCL	204.1
Theta star	1367		
Nu star	21.43	**Potential UCLs to Use**	
AppChi2	11.91	95% KM (t) UCL	62.54
95% Gamma Approximate UCL	585.5		
95% Adjusted Gamma UCL	597.3		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK H.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	22	Number of Detected Data	15
Number of Distinct Detected Data	12	Number of Non-Detect Data	7
Number of Missing Values	99	Percent Non-Detects	31.82%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1	Minimum Detected	0
Maximum Detected	7.4	Maximum Detected	2.001
Mean of Detected	3.487	Mean of Detected	1.146
SD of Detected	1.586	SD of Detected	0.492
Minimum Non-Detect	0.54	Minimum Non-Detect	-0.616
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.45%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.952	Shapiro Wilk Test Statistic	0.967
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.837	Mean	0.794
SD	1.719	SD	0.832
95% DL/2 (t) UCL	3.467	95% H-Stat (DL/2) UCL	4.803
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.929
		SD in Log Scale	0.552
		Mean in Original Scale	2.913
		SD in Original Scale	1.588
		95% t UCL	3.496
		95% Percentile Bootstrap UCL	3.459
		95% BCA Bootstrap UCL	3.542
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.045	**Data appear Normal at 5% Significance Level**	
Theta Star	0.862		

nu star	121.4		
A-D Test Statistic	0.177	**Nonparametric Statistics**	
5% A-D Critical Value	0.739	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.739	Mean	2.915
5% K-S Critical Value	0.222	SD	1.644
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.379
		95% KM (t) UCL	3.568
Assuming Gamma Distribution		95% KM (z) UCL	3.54
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.529
Minimum	1	95% KM (bootstrap t) UCL	3.618
Maximum	7.4	95% KM (BCA) UCL	3.755
Mean	3.215	95% KM (Percentile Bootstrap) UCL	3.63
Median	3.2	95% KM (Chebyshev) UCL	4.569
SD	1.529	97.5% KM (Chebyshev) UCL	5.285
k star	3.884	99% KM (Chebyshev) UCL	6.69
Theta star	0.828		
Nu star	170.9	**Potential UCLs to Use**	
AppChi2	141.7	95% KM (t) UCL	3.568
95% Gamma Approximate UCL	3.878	95% KM (Percentile Bootstrap) UCL	3.63
95% Adjusted Gamma UCL	3.933		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	22	Number of Detected Data	21
Number of Distinct Detected Data	18	Number of Non-Detect Data	1
Number of Missing Values	99	Percent Non-Detects	4.55%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.6	Minimum Detected	0.47
Maximum Detected	17	Maximum Detected	2.833
Mean of Detected	7.462	Mean of Detected	1.808
SD of Detected	4.672	SD of Detected	0.679
Minimum Non-Detect	4	Minimum Non-Detect	1.386
Maximum Non-Detect	4	Maximum Non-Detect	1.386

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.911	Shapiro Wilk Test Statistic	0.967
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.214	Mean	1.757
SD	4.706	SD	0.704
95% DL/2 (t) UCL	8.94	95% H-Stat (DL/2) UCL	10.43
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	6.445	Mean in Log Scale	1.773
SD	5.656	SD in Log Scale	0.683
95% MLE (t) UCL	8.52	Mean in Original Scale	7.25
95% MLE (Tiku) UCL	8.669	SD in Original Scale	4.666
		95% t UCL	8.962
		95% Percentile Bootstrap UCL	8.873
		95% BCA Bootstrap UCL	9.164
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.29	**Data appear Normal at 5% Significance Level**	
Theta Star	3.259		
nu star	96.17		
A-D Test Statistic	0.213	**Nonparametric Statistics**	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	7.25
5% K-S Critical Value	0.191	SD	4.563
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.998
		95% KM (t) UCL	8.967
Assuming Gamma Distribution		95% KM (z) UCL	8.891
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.966
Minimum	1.6	95% KM (bootstrap t) UCL	9.123
Maximum	17	95% KM (BCA) UCL	8.929
Mean	7.242	95% KM (Percentile Bootstrap) UCL	8.868
Median	5.8	95% KM (Chebyshev) UCL	11.6
SD	4.675	97.5% KM (Chebyshev) UCL	13.48
k star	2.219	99% KM (Chebyshev) UCL	17.18
Theta star	3.264		
Nu star	97.62	**Potential UCLs to Use**	
AppChi2	75.83	95% KM (t) UCL	8.967
95% Gamma Approximate UCL	9.323	95% KM (Percentile Bootstrap) UCL	8.868
95% Adjusted Gamma UCL	9.503		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	128	Number of Detected Data	15
Number of Distinct Detected Data	11	Number of Non-Detect Data	113
Number of Missing Values	101	Percent Non-Detects	88.28%

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	0.24	Maximum Detected	-1.427
Mean of Detected	0.0787	Mean of Detected	-3.114
SD of Detected	0.0843	SD of Detected	1.118
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.022	Maximum Non-Detect	-3.817
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	118
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.19%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.757	Shapiro Wilk Test Statistic	0.889
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0175	Mean	-4.503
SD	0.0359	SD	0.661
95% DL/2 (t) UCL	0.0228	95% H-Stat (DL/2) UCL	0.0154
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-7.2
		SD in Log Scale	2.393
		Mean in Original Scale	0.0108
		SD in Original Scale	0.0375
		95% t UCL	0.0163
		95% Percentile Bootstrap UCL	0.0166
		95% BCA Bootstrap UCL	0.0181
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.851	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.0925		
nu star	25.53		
A-D Test Statistic	0.985	**Nonparametric Statistics**	
5% A-D Critical Value	0.763	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.763	Mean	0.0181
5% K-S Critical Value	0.228	SD	0.0356
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00325
		95% KM (t) UCL	0.0235
Assuming Gamma Distribution		95% KM (z) UCL	0.0234
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0233
Minimum	1E-12	95% KM (bootstrap t) UCL	0.0261
Maximum	0.24	95% KM (BCA) UCL	0.0311
Mean	0.0792	95% KM (Percentile Bootstrap) UCL	0.028
Median	0.0707	95% KM (Chebyshev) UCL	0.0323

SD	0.0638	97.5% KM (Chebyshev) UCL	0.0384
k star	0.228	99% KM (Chebyshev) UCL	0.0505
Theta star	0.347		
Nu star	58.41	**Potential UCLs to Use**	
AppChi2	41.84	95% KM (BCA) UCL	0.0311
95% Gamma Approximate UCL	0.111		
95% Adjusted Gamma UCL	0.111		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	38	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	32
Number of Missing Values	83	Percent Non-Detects	84.21%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	28	Minimum Detected	3.332
Maximum Detected	1200	Maximum Detected	7.09
Mean of Detected	384.7	Mean of Detected	5.389
SD of Detected	425.9	SD of Detected	1.28
Minimum Non-Detect	3.5	Minimum Non-Detect	1.253
Maximum Non-Detect	440	Maximum Non-Detect	6.087
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	94.74%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

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Shapiro Wilk Test Statistic	0.802	Shapiro Wilk Test Statistic	0.971
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	121.2	Mean	3.187
SD	210.6	SD	2.204
95% DL/2 (t) UCL	178.9	95% H-Stat (DL/2) UCL	1190
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.758
		SD in Log Scale	1.969
		Mean in Original Scale	65.31
		SD in Original Scale	210.2
		95% t UCL	122.8
		95% Percentile Bootstrap UCL	125.7
		95% BCA Bootstrap UCL	161.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.622	**Data appear Normal at 5% Significance Level**	
Theta Star	618.1		
nu star	7.469		
A-D Test Statistic	0.213	**Nonparametric Statistics**	
5% A-D Critical Value	0.715	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.715	Mean	89.74
5% K-S Critical Value	0.341	SD	203.1
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	36.69
		95% KM (t) UCL	151.6
Assuming Gamma Distribution		95% KM (z) UCL	150.1
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	152
Minimum	28	95% KM (bootstrap t) UCL	187.7
Maximum	1200	95% KM (BCA) UCL	337.2
Mean	385.1	95% KM (Percentile Bootstrap) UCL	300
Median	384.9	95% KM (Chebyshev) UCL	249.7
SD	156.6	97.5% KM (Chebyshev) UCL	318.9
k star	5.346	99% KM (Chebyshev) UCL	454.8
Theta star	72.03		
Nu star	406.3	**Potential UCLs to Use**	
AppChi2	360.6	95% KM (t) UCL	151.6
95% Gamma Approximate UCL	434	95% KM (Percentile Bootstrap) UCL	300
95% Adjusted Gamma UCL	436.1		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	8	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	2
Number of Missing Values	99	Percent Non-Detects	25.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	11100	Minimum Detected	9.315
Maximum Detected	173000	Maximum Detected	12.06
Mean of Detected	51233	Mean of Detected	10.32
SD of Detected	62884	SD of Detected	1.072
Minimum Non-Detect	2400	Minimum Non-Detect	7.783
Maximum Non-Detect	3800	Maximum Non-Detect	8.243
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	2
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	25.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

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It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.726	Shapiro Wilk Test Statistic	0.898
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	38813	Mean	9.568
SD	57910	SD	1.662
95% DL/2 (t) UCL	77603	95% H-Stat (DL/2) UCL	1476804
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	28141	Mean in Log Scale	9.641
SD	66263	SD in Log Scale	1.545
95% MLE (t) UCL	72526	Mean in Original Scale	38931
95% MLE (Tiku) UCL	73262	SD in Original Scale	57823
		95% t UCL	77663
		95% Percentile Bootstrap UCL	74869
		95% BCA Bootstrap UCL	84241
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.654	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	78353		
nu star	7.847		
A-D Test Statistic	0.498	**Nonparametric Statistics**	
5% A-D Critical Value	0.714	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.714	Mean	41200
5% K-S Critical Value	0.34	SD	52664
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	20397
		95% KM (t) UCL	79843
Assuming Gamma Distribution		95% KM (z) UCL	74750
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	78642
Minimum	1E-12	95% KM (bootstrap t) UCL	266066
Maximum	173000	95% KM (BCA) UCL	79788
Mean	38425	95% KM (Percentile Bootstrap) UCL	77975
Median	14450	95% KM (Chebyshev) UCL	130108
SD	58199	97.5% KM (Chebyshev) UCL	168578
k star	0.137	99% KM (Chebyshev) UCL	244146
Theta star	281397		
Nu star	2.185	**Potential UCLs to Use**	
AppChi2	0.179	95% KM (Chebyshev) UCL	130108
95% Gamma Approximate UCL	470147		
95% Adjusted Gamma UCL	739425		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	23	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	19
Number of Missing Values	98	Percent Non-Detects	82.61%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	36	Minimum Detected	3.584
Maximum Detected	9000	Maximum Detected	9.105
Mean of Detected	4684	Mean of Detected	7.398
SD of Detected	3804	SD of Detected	2.571
Minimum Non-Detect	2700	Minimum Non-Detect	7.901
Maximum Non-Detect	15200	Maximum Non-Detect	9.629
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data
Note: It should be noted that even though bootstrap may be performed on this data set
the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.997	Shapiro Wilk Test Statistic	0.76
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3493	Mean	7.761
SD	2574	SD	1.162
95% DL/2 (t) UCL	4414	95% H-Stat (DL/2) UCL	9105
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	4.775
		SD in Log Scale	1.871
		Mean in Original Scale	903.1
		SD in Original Scale	2264
		95% t UCL	1714
		95% Percentile Bootstrap UCL	1707
		95% BCA Bootstrap UCL	2083

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Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.314	**Data appear Normal at 5% Significance Level**	
Theta Star	14931		
nu star	2.51		
A-D Test Statistic	0.529	**Nonparametric Statistics**	
5% A-D Critical Value	0.677	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.677	Mean	1241
5% K-S Critical Value	0.408	SD	2624
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	768.6
		95% KM (t) UCL	2561
Assuming Gamma Distribution		95% KM (z) UCL	2505
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3461
Minimum	36	95% KM (bootstrap t) UCL	2142
Maximum	9000	95% KM (BCA) UCL	9000
Mean	4444	95% KM (Percentile Bootstrap) UCL	6487
Median	4322	95% KM (Chebyshev) UCL	4591
SD	1470	97.5% KM (Chebyshev) UCL	6041
k star	2.475	99% KM (Chebyshev) UCL	8888
Theta star	1796		
Nu star	113.8	**Potential UCLs to Use**	
AppChi2	90.21	95% KM (t) UCL	2561
95% Gamma Approximate UCL	5608	95% KM (Percentile Bootstrap) UCL	6487
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	18
Number of Missing Values	99		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1.8	Minimum of Log Data	0.588
Maximum	30.8	Maximum of Log Data	3.428
Mean	9.427	Mean of log Data	1.918
Median	8.1	SD of log Data	0.844
SD	7.95		
Coefficient of Variation	0.843		
Skewness	1.479		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.828	Shapiro Wilk Test Statistic	0.95
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	12.34	95% H-UCL	15.07
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	17.72
95% Adjusted-CLT UCL (Chen-1995)	12.79	97.5% Chebyshev (MVUE) UCL	21.27
95% Modified-t UCL (Johnson-1978)	12.43	99% Chebyshev (MVUE) UCL	28.23
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.484	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	6.354		
MLE of Mean	9.427		
MLE of Standard Deviation	7.74		
nu star	65.28		
Approximate Chi Square Value (.05)	47.69	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	12.22
Adjusted Chi Square Value	46.57	95% Jackknife UCL	12.34
		95% Standard Bootstrap UCL	12.23
Anderson-Darling Test Statistic	0.492	95% Bootstrap-t UCL	13.16
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	14.04
Kolmogorov-Smirnov Test Statistic	0.136	95% Percentile Bootstrap UCL	12.28
Kolmogorov-Smirnov 5% Critical Value	0.188	95% BCA Bootstrap UCL	12.65
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	16.82
		97.5% Chebyshev(Mean, Sd) UCL	20.01

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	26.29
95% Approximate Gamma UCL	12.9		
95% Adjusted Gamma UCL	13.22		
Potential UCL to Use		Use 95% Approximate Gamma UCL	12.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	21
Number of Missing Values	99		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.7	Minimum of Log Data	1.74
Maximum	52.9	Maximum of Log Data	3.968
Mean	33.45	Mean of log Data	3.411
Median	34.15	SD of log Data	0.516
SD	12.71		
Coefficient of Variation	0.38		
Skewness	-0.332		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.975	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	38.11	95% H-UCL	43.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	51.54
95% Adjusted-CLT UCL (Chen-1995)	37.7	97.5% Chebyshev (MVUE) UCL	58.97
95% Modified-t UCL (Johnson-1978)	38.08	99% Chebyshev (MVUE) UCL	73.57
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.518	**Data appear Normal at 5% Significance Level**	
Theta Star	7.403		
MLE of Mean	33.45		
MLE of Standard Deviation	15.74		
nu star	198.8		
Approximate Chi Square Value (.05)	167.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	37.91
Adjusted Chi Square Value	165	95% Jackknife UCL	38.11
		95% Standard Bootstrap UCL	37.75
Anderson-Darling Test Statistic	0.506	95% Bootstrap-t UCL	37.9
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	37.72
Kolmogorov-Smirnov Test Statistic	0.121	95% Percentile Bootstrap UCL	37.66

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Kolmogorov-Smirnov 5% Critical Value	0.186	95% BCA Bootstrap UCL	37.21
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	45.26
		97.5% Chebyshev(Mean, Sd) UCL	50.37
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	60.41
95% Approximate Gamma UCL	39.78		
95% Adjusted Gamma UCL	40.3		
Potential UCL to Use		Use 95% Student's-t UCL	38.11

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	21
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.375	Minimum of Log Data	-0.981
Maximum	4.52	Maximum of Log Data	1.509
Mean	1.44	Mean of log Data	0.212
Median	1.35	SD of log Data	0.567
SD	0.889		
Coefficient of Variation	0.617		
Skewness	2.081		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.819	Shapiro Wilk Test Statistic	0.979
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.767	95% H-UCL	1.874
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	2.236
95% Adjusted-CLT UCL (Chen-1995)	1.842	97.5% Chebyshev (MVUE) UCL	2.58
95% Modified-t UCL (Johnson-1978)	1.781	99% Chebyshev (MVUE) UCL	3.256
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.986	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.482		
MLE of Mean	1.44		
MLE of Standard Deviation	0.834		
nu star	131.4		
Approximate Chi Square Value (.05)	105.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	1.752
Adjusted Chi Square Value	104.2	95% Jackknife UCL	1.767
		95% Standard Bootstrap UCL	1.747
Anderson-Darling Test Statistic	0.293	95% Bootstrap-t UCL	1.944
Anderson-Darling 5% Critical Value	0.748	95% Hall's Bootstrap UCL	3.315
Kolmogorov-Smirnov Test Statistic	0.125	95% Percentile Bootstrap UCL	1.763
Kolmogorov-Smirnov 5% Critical Value	0.186	95% BCA Bootstrap UCL	1.841
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	2.267
		97.5% Chebyshev(Mean, Sd) UCL	2.624

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					3.327
95% Approximate Gamma UCL	1.787						
95% Adjusted Gamma UCL	1.816						
Potential UCL to Use		Use 95% Approximate Gamma UCL					1.787
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	228	Number of Detected Data	57
Number of Distinct Detected Data	57	Number of Non-Detect Data	171
Number of Missing Values	2	Percent Non-Detects	75.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.766	Minimum Detected	0.568
Maximum Detected	5337	Maximum Detected	8.582
Mean of Detected	428.6	Mean of Detected	4.512
SD of Detected	896.7	SD of Detected	1.893
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	470	Maximum Non-Detect	6.153
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	213
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	15
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	93.42%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.317	Lilliefors Test Statistic	0.094
5% Lilliefors Critical Value	0.117	5% Lilliefors Critical Value	0.117
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	126.7	Mean	1.555
SD	481.7	SD	2.542
95% DL/2 (t) UCL	179.4	95% H-Stat (DL/2) UCL	227.2
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.00151
		SD in Log Scale	3.472
		Mean in Original Scale	108.2
		SD in Original Scale	482.4
		95% t UCL	161
		95% Percentile Bootstrap UCL	165.2
		95% BCA Bootstrap UCL	193.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.411	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1043		

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nu star	46.85		
A-D Test Statistic	2.023	**Nonparametric Statistics**	
5% A-D Critical Value	0.834	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.834	Mean	110
5% K-S Critical Value	0.126	SD	481.2
Data not Gamma Distributed at 5% Significance Level		SE of Mean	32.17
		95% KM (t) UCL	163.2
Assuming Gamma Distribution		95% KM (z) UCL	163
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	162.3
Minimum	1E-12	95% KM (bootstrap t) UCL	207.3
Maximum	5945	95% KM (BCA) UCL	165.8
Mean	952.9	95% KM (Percentile Bootstrap) UCL	166.4
Median	430.4	95% KM (Chebyshev) UCL	250.3
SD	1208	97.5% KM (Chebyshev) UCL	311
k star	0.114	99% KM (Chebyshev) UCL	430.2
Theta star	8361		
Nu star	51.97	**Potential UCLs to Use**	
AppChi2	36.41	95% KM (Chebyshev) UCL	250.3
95% Gamma Approximate UCL	1360		
95% Adjusted Gamma UCL	1363		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	100	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.56	Minimum Detected	-0.58
Maximum Detected	130	Maximum Detected	4.868
Mean of Detected	31.67	Mean of Detected	2.481
SD of Detected	42.49	SD of Detected	1.695
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	6	Maximum Non-Detect	1.792
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	72.73%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.758	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	14.29	Mean	1.427
SD	30.12	SD	1.435
95% DL/2 (t) UCL	25.34	95% H-Stat (DL/2) UCL	32.17
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.673
		SD in Log Scale	2.068
		Mean in Original Scale	13.57
		SD in Original Scale	30.43

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

		95% t UCL	24.74
		95% Percentile Bootstrap UCL	25.83
		95% BCA Bootstrap UCL	30.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.494	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	64.13		
nu star	8.89		
A-D Test Statistic	0.203	**Nonparametric Statistics**	
5% A-D Critical Value	0.761	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.761	Mean	13.6
5% K-S Critical Value	0.292	SD	29.72
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	6.728
		95% KM (t) UCL	25.18
Assuming Gamma Distribution		95% KM (z) UCL	24.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	23.98
Minimum	0.56	95% KM (bootstrap t) UCL	45.4
Maximum	130	95% KM (BCA) UCL	29.89
Mean	31.46	95% KM (Percentile Bootstrap) UCL	25.82
Median	29.03	95% KM (Chebyshev) UCL	42.93
SD	26.42	97.5% KM (Chebyshev) UCL	55.62
k star	1.225	99% KM (Chebyshev) UCL	80.55
Theta star	25.68		
Nu star	53.89	**Potential UCLs to Use**	
AppChi2	38.03	95% KM (t) UCL	25.18
95% Gamma Approximate UCL	44.58		
95% Adjusted Gamma UCL	45.78		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

Surface Soil

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CROMIUM

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	27
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.155	Minimum of Log Data	-1.864
Maximum	1.8	Maximum of Log Data	0.588
Mean	0.752	Mean of log Data	-0.401
Median	0.65	SD of log Data	0.508
SD	0.36		
Coefficient of Variation	0.479		
Skewness	0.915		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.94	Shapiro Wilk Test Statistic	0.966
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	0.866	95% H-UCL	0.92
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.085
95% Adjusted-CLT UCL (Chen-1995)	0.874	97.5% Chebyshev (MVUE) UCL	1.226
95% Modified-t UCL (Johnson-1978)	0.868	99% Chebyshev (MVUE) UCL	1.503
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.053	**Data appear Normal at 5% Significance Level**	
Theta Star	0.186		
MLE of Mean	0.752		
MLE of Standard Deviation	0.374		
nu star	235.1		
Approximate Chi Square Value (.05)	200.6	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	0.862
Adjusted Chi Square Value	198.7	95% Jackknife UCL	0.866
		95% Standard Bootstrap UCL	0.861
Anderson-Darling Test Statistic	0.272	95% Bootstrap-t UCL	0.88
Anderson-Darling 5% Critical Value	0.749	95% Hall's Bootstrap UCL	0.885
Kolmogorov-Smirnov Test Statistic	0.0877	95% Percentile Bootstrap UCL	0.863
Kolmogorov-Smirnov 5% Critical Value	0.163	95% BCA Bootstrap UCL	0.888
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.044
		97.5% Chebyshev(Mean, Sd) UCL	1.17

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.418
95% Approximate Gamma UCL	0.881		
95% Adjusted Gamma UCL	0.89		
Potential UCL to Use		Use 95% Student's-t UCL	0.866

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	117	Number of Detected Data	97
Number of Distinct Detected Data	97	Number of Non-Detect Data	20
Number of Missing Values	4	Percent Non-Detects	17.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	22517	Maximum Detected	10.02
Mean of Detected	1830	Mean of Detected	4.904
SD of Detected	4264	SD of Detected	2.501
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	3700	Maximum Non-Detect	8.216
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	103
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	14
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	88.03%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.397	Lilliefors Test Statistic	0.133
5% Lilliefors Critical Value	0.09	5% Lilliefors Critical Value	0.09
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1566	Mean	4.367
SD	3932	SD	2.817
95% DL/2 (t) UCL	2168	95% H-Stat (DL/2) UCL	13119
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.217
		SD in Log Scale	2.816
		Mean in Original Scale	1519
		SD in Original Scale	3940
		95% t UCL	2123
		95% Percentile Bootstrap UCL	2111
		95% BCA Bootstrap UCL	2233
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.268	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	6836		

PROUCL OUTPUT - BLOCK D SURFACE SOIL

nu star	51.93		
A-D Test Statistic	7.368	**Nonparametric Statistics**	
5% A-D Critical Value	0.881	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.881	Mean	1524
5% K-S Critical Value	0.0993	SD	3922
Data not Gamma Distributed at 5% Significance Level		SE of Mean	364.6
		95% KM (t) UCL	2129
Assuming Gamma Distribution		95% KM (z) UCL	2124
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2128
Minimum	1E-12	95% KM (bootstrap t) UCL	2266
Maximum	22517	95% KM (BCA) UCL	2150
Mean	1521	95% KM (Percentile Bootstrap) UCL	2159
Median	72.36	95% KM (Chebyshev) UCL	3113
SD	3939	97.5% KM (Chebyshev) UCL	3801
k star	0.115	99% KM (Chebyshev) UCL	5152
Theta star	13248		
Nu star	26.87	**Potential UCLs to Use**	
AppChi2	16.05	97.5% KM (Chebyshev) UCL	3801
95% Gamma Approximate UCL	2547		
95% Adjusted Gamma UCL	2564		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	24	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	15
Number of Missing Values	96	Percent Non-Detects	62.50%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.034	Minimum Detected	-3.381
Maximum Detected	3	Maximum Detected	1.099
Mean of Detected	0.501	Mean of Detected	-1.645
SD of Detected	0.946	SD of Detected	1.343
Minimum Non-Detect	0.025	Minimum Non-Detect	-3.689
Maximum Non-Detect	3.3	Maximum Non-Detect	1.194
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.52	Shapiro Wilk Test Statistic	0.937
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.662	Mean	-1.447
SD	0.786	SD	1.696
95% DL/2 (t) UCL	0.937	95% H-Stat (DL/2) UCL	3.523
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.646
		SD in Log Scale	1.265
		Mean in Original Scale	0.219
		SD in Original Scale	0.602

		95% t UCL	0.429
		95% Percentile Bootstrap UCL	0.453
		95% BCA Bootstrap UCL	0.603
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.502	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	1		
nu star	9.028		
A-D Test Statistic	0.766	**Nonparametric Statistics**	
5% A-D Critical Value	0.76	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.76	Mean	0.249
5% K-S Critical Value	0.291	SD	0.599
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.134
		95% KM (t) UCL	0.479
Assuming Gamma Distribution		95% KM (z) UCL	0.469
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.466
Minimum	1E-12	95% KM (bootstrap t) UCL	1.024
Maximum	3	95% KM (BCA) UCL	0.535
Mean	0.621	95% KM (Percentile Bootstrap) UCL	0.495
Median	0.253	95% KM (Chebyshev) UCL	0.833
SD	0.765	97.5% KM (Chebyshev) UCL	1.085
k star	0.253	99% KM (Chebyshev) UCL	1.58
Theta star	2.454		
Nu star	12.16	**Potential UCLs to Use**	
AppChi2	5.33	95% KM (t) UCL	0.479
95% Gamma Approximate UCL	1.417		
95% Adjusted Gamma UCL	1.506		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	29	Number of Detected Data	27
Number of Distinct Detected Data	23	Number of Non-Detect Data	2
Number of Missing Values	91	Percent Non-Detects	6.90%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.54	Minimum Detected	-0.616
Maximum Detected	6	Maximum Detected	1.792
Mean of Detected	2.246	Mean of Detected	0.549
SD of Detected	1.646	SD of Detected	0.745
Minimum Non-Detect	0.48	Minimum Non-Detect	-0.734
Maximum Non-Detect	0.56	Maximum Non-Detect	-0.58
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3

PROUCL OUTPUT - BLOCK D SURFACE SOIL

For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	26
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	10.34%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.853	Shapiro Wilk Test Statistic	0.939
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.109	Mean	0.418
SD	1.667	SD	0.87
95% DL/2 (t) UCL	2.635	95% H-Stat (DL/2) UCL	3.24
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.028	Mean in Log Scale	0.432
SD	1.758	SD in Log Scale	0.842
95% MLE (t) UCL	2.584	Mean in Original Scale	2.113
95% MLE (Tiku) UCL	2.569	SD in Original Scale	1.662
		95% t UCL	2.638
		95% Percentile Bootstrap UCL	2.623
		95% BCA Bootstrap UCL	2.66
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.868	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.202		
nu star	100.9		
A-D Test Statistic	0.632	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	2.128
5% K-S Critical Value	0.17	SD	1.618
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.306
		95% KM (t) UCL	2.649
Assuming Gamma Distribution		95% KM (z) UCL	2.631
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2.644
Minimum	1E-12	95% KM (bootstrap t) UCL	2.716
Maximum	6	95% KM (BCA) UCL	2.629
Mean	2.091	95% KM (Percentile Bootstrap) UCL	2.626
Median	1.7	95% KM (Chebyshev) UCL	3.462
SD	1.689	97.5% KM (Chebyshev) UCL	4.04
k star	0.31	99% KM (Chebyshev) UCL	5.174
Theta star	6.746		
Nu star	17.98	**Potential UCLs to Use**	
AppChi2	9.373	95% KM (Chebyshev) UCL	3.462
95% Gamma Approximate UCL	4.009		
95% Adjusted Gamma UCL	4.175		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

PROUCL OUTPUT - BLOCK D SURFACE SOIL

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	29	Number of Detected Data	5
Number of Distinct Detected Data	4	Number of Non-Detect Data	24
Number of Missing Values	91	Percent Non-Detects	82.76%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.053	Minimum Detected	-2.937
Maximum Detected	0.4	Maximum Detected	-0.916
Mean of Detected	0.183	Mean of Detected	-1.939
SD of Detected	0.14	SD of Detected	0.782
Minimum Non-Detect	0.0082	Minimum Non-Detect	-4.804
Maximum Non-Detect	3.3	Maximum Non-Detect	1.194
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.881	Shapiro Wilk Test Statistic	0.958
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.695	Mean	-1.693
SD	0.659	SD	2.269
95% DL/2 (t) UCL	0.903	95% H-Stat (DL/2) UCL	15.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.375
		SD in Log Scale	0.912
		Mean in Original Scale	0.057
		SD in Original Scale	0.0813
		95% t UCL	0.0827
		95% Percentile Bootstrap UCL	0.0834
		95% BCA Bootstrap UCL	0.0941

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.032	Data appear Normal at 5% Significance Level	
Theta Star	0.177		
nu star	10.32		
A-D Test Statistic	0.305	Nonparametric Statistics	
5% A-D Critical Value	0.684	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.684	Mean	0.0977
5% K-S Critical Value	0.36	SD	0.0949
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0277
		95% KM (t) UCL	0.145
Assuming Gamma Distribution		95% KM (z) UCL	0.143
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.143
Minimum	0.053	95% KM (bootstrap t) UCL	0.185
Maximum	0.482	95% KM (BCA) UCL	0.265
Mean	0.243	95% KM (Percentile Bootstrap) UCL	0.193
Median	0.211	95% KM (Chebyshev) UCL	0.218
SD	0.106	97.5% KM (Chebyshev) UCL	0.271
k star	4.46	99% KM (Chebyshev) UCL	0.373
Theta star	0.0545		
Nu star	258.7	Potential UCLs to Use	
AppChi2	222.5	95% KM (t) UCL	0.145
95% Gamma Approximate UCL	0.283	95% KM (Percentile Bootstrap) UCL	0.193
95% Adjusted Gamma UCL	0.285		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	29	Number of Detected Data	11
Number of Distinct Detected Data	11	Number of Non-Detect Data	18
Number of Missing Values	91	Percent Non-Detects	62.07%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.019	Minimum Detected	-3.963
Maximum Detected	1.7	Maximum Detected	0.531
Mean of Detected	0.322	Mean of Detected	-1.915
SD of Detected	0.491	SD of Detected	1.282
Minimum Non-Detect	0.016	Minimum Non-Detect	-4.135
Maximum Non-Detect	0.13	Maximum Non-Detect	-2.04
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	5
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	82.76%

UCL Statistics

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.632	Shapiro Wilk Test Statistic	0.963
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.15	Mean	-2.797
SD	0.324	SD	1.222
95% DL/2 (t) UCL	0.252	95% H-Stat (DL/2) UCL	0.243
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-3.191
		SD in Log Scale	1.467
		Mean in Original Scale	0.139
		SD in Original Scale	0.328
		95% t UCL	0.243
		95% Percentile Bootstrap UCL	0.248
		95% BCA Bootstrap UCL	0.307
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.616	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.524		
nu star	13.54		
A-D Test Statistic	0.597	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	0.147
5% K-S Critical Value	0.265	SD	0.32
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0626
		95% KM (t) UCL	0.254
Assuming Gamma Distribution		95% KM (z) UCL	0.25
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.243
Minimum	0.019	95% KM (bootstrap t) UCL	0.438
Maximum	1.7	95% KM (BCA) UCL	0.272
Mean	0.297	95% KM (Percentile Bootstrap) UCL	0.267
Median	0.223	95% KM (Chebyshev) UCL	0.42
SD	0.305	97.5% KM (Chebyshev) UCL	0.538
k star	1.486	99% KM (Chebyshev) UCL	0.77
Theta star	0.2		
Nu star	86.19	**Potential UCLs to Use**	
AppChi2	65.79	95% KM (t) UCL	0.254
95% Gamma Approximate UCL	0.389		
95% Adjusted Gamma UCL	0.396		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

MOLYBDENUM			
General Statistics			
Number of Valid Data	15	Number of Detected Data	14
Number of Distinct Detected Data	12	Number of Non-Detect Data	1
Number of Missing Values	68	Percent Non-Detects	6.67%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.14	Minimum Detected	-1.966
Maximum Detected	0.61	Maximum Detected	-0.494
Mean of Detected	0.399	Mean of Detected	-0.983
SD of Detected	0.133	SD of Detected	0.401
Minimum Non-Detect	0.14	Minimum Non-Detect	-1.966
Maximum Non-Detect	0.14	Maximum Non-Detect	-1.966
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.979	Shapiro Wilk Test Statistic	0.91
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.377	Mean	-1.095
SD	0.154	SD	0.58
95% DL/2 (t) UCL	0.447	95% H-Stat (DL/2) UCL	0.553
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.378	Mean in Log Scale	-1.045
SD	0.149	SD in Log Scale	0.455
95% MLE (t) UCL	0.445	Mean in Original Scale	0.383
95% MLE (Tiku) UCL	0.446	SD in Original Scale	0.144
		95% t UCL	0.448
		95% Percentile Bootstrap UCL	0.445
		95% BCA Bootstrap UCL	0.435
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	6.218	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0642		
nu star	174.1		
A-D Test Statistic	0.343	**Nonparametric Statistics**	
5% A-D Critical Value	0.736	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.736	Mean	0.382
5% K-S Critical Value	0.229	SD	0.14
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0375
		95% KM (t) UCL	0.448
Assuming Gamma Distribution		95% KM (z) UCL	0.444
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.447
Minimum	0.0936	95% KM (bootstrap t) UCL	0.443

Maximum	0.61	95% KM (BCA) UCL	0.449
Mean	0.379	95% KM (Percentile Bootstrap) UCL	0.443
Median	0.4	95% KM (Chebyshev) UCL	0.545
SD	0.151	97.5% KM (Chebyshev) UCL	0.616
k star	3.983	99% KM (Chebyshev) UCL	0.755
Theta star	0.0951		
Nu star	119.5	**Potential UCLs to Use**	
AppChi2	95.24	95% KM (t) UCL	0.448
95% Gamma Approximate UCL	0.475	95% KM (Percentile Bootstrap) UCL	0.443
95% Adjusted Gamma UCL	0.489		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0

Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	29	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	28
Number of Missing Values	91	Percent Non-Detects	96.55%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	29	Number of Detected Data	22
Number of Distinct Detected Data	21	Number of Non-Detect Data	7
Number of Missing Values	91	Percent Non-Detects	24.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8600	Minimum Detected	9.06

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Maximum Detected	1800000	Maximum Detected	14.4
Mean of Detected	180136	Mean of Detected	10.79
SD of Detected	401179	SD of Detected	1.481
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	18000	Maximum Non-Detect	9.798
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	13
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	16
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	44.83%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.474	Shapiro Wilk Test Statistic	0.897
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	138172	Mean	10.29
SD	355585	SD	1.567
95% DL/2 (t) UCL	250499	95% H-Stat (DL/2) UCL	263476
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	10.26
		SD in Log Scale	1.615
		Mean in Original Scale	138091
		SD in Original Scale	355618
		95% t UCL	250428
		95% Percentile Bootstrap UCL	252324
		95% BCA Bootstrap UCL	315179
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.45	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	400361		
nu star	19.8		
A-D Test Statistic	2.096	**Nonparametric Statistics**	
5% A-D Critical Value	0.807	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.807	Mean	138964
5% K-S Critical Value	0.196	SD	349104
Data not Gamma Distributed at 5% Significance Level		SE of Mean	66353
		95% KM (t) UCL	251839
Assuming Gamma Distribution		95% KM (z) UCL	248105
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	251196
Minimum	1E-12	95% KM (bootstrap t) UCL	482625
Maximum	1800000	95% KM (BCA) UCL	255114
Mean	136655	95% KM (Percentile Bootstrap) UCL	256510
Median	24000	95% KM (Chebyshev) UCL	428189
SD	356178	97.5% KM (Chebyshev) UCL	553337
k star	0.0954	99% KM (Chebyshev) UCL	799165
Theta star	1431845		

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Nu star	5.536	**Potential UCLs to Use**	
AppChi2	1.407	97.5% KM (Chebyshev) UCL	553337
95% Gamma Approximate UCL	537528		
95% Adjusted Gamma UCL	587299		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	29	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	21
Number of Missing Values	91	Percent Non-Detects	72.41%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	71	Minimum Detected	4.263
Maximum Detected	4800	Maximum Detected	8.476
Mean of Detected	1476	Mean of Detected	6.619
SD of Detected	1673	SD of Detected	1.379
Minimum Non-Detect	48	Minimum Non-Detect	3.871
Maximum Non-Detect	140	Maximum Non-Detect	4.942
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	22
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.86%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.816	Shapiro Wilk Test Statistic	0.98
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	434.2	Mean	4.378
SD	1062	SD	1.608
95% DL/2 (t) UCL	769.8	95% H-Stat (DL/2) UCL	792.2
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.007

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		SD in Log Scale	2.605
		Mean in Original Scale	414.4
		SD in Original Scale	1070
		95% t UCL	752.4
		95% Percentile Bootstrap UCL	766.3
		95% BCA Bootstrap UCL	929.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.624	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2364		
nu star	9.991		
A-D Test Statistic	0.187	**Nonparametric Statistics**	
5% A-D Critical Value	0.741	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.741	Mean	458.7
5% K-S Critical Value	0.303	SD	1034
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	205.3
		95% KM (t) UCL	808
Assuming Gamma Distribution		95% KM (z) UCL	796.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	740.9
Minimum	71	95% KM (bootstrap t) UCL	1255
Maximum	4800	95% KM (BCA) UCL	1286
Mean	1468	95% KM (Percentile Bootstrap) UCL	955.5
Median	1477	95% KM (Chebyshev) UCL	1354
SD	838.9	97.5% KM (Chebyshev) UCL	1741
k star	2.545	99% KM (Chebyshev) UCL	2502
Theta star	576.7		
Nu star	147.6	**Potential UCLs to Use**	
AppChi2	120.5	95% KM (t) UCL	808
95% Gamma Approximate UCL	1797		
95% Adjusted Gamma UCL	1819		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	15
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.5	Minimum of Log Data	-0.693
Maximum	27.5	Maximum of Log Data	3.314
Mean	6.071	Mean of log Data	1.148
Median	3.2	SD of log Data	1.247
SD	7.266		
Coefficient of Variation	1.197		
Skewness	2.067		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.759	Shapiro Wilk Test Statistic	0.959
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	9.376	95% H-UCL	19.66
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	16.27
95% Adjusted-CLT UCL (Chen-1995)	10.23	97.5% Chebyshev (MVUE) UCL	20.57
95% Modified-t UCL (Johnson-1978)	9.542	99% Chebyshev (MVUE) UCL	29.03
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.759	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	7.999		
MLE of Mean	6.071		
MLE of Standard Deviation	6.969		
nu star	22.77		
Approximate Chi Square Value (.05)	12.92	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	9.157
Adjusted Chi Square Value	12.01	95% Jackknife UCL	9.376
		95% Standard Bootstrap UCL	9.043
Anderson-Darling Test Statistic	0.32	95% Bootstrap-t UCL	12.2
Anderson-Darling 5% Critical Value	0.768	95% Hall's Bootstrap UCL	21.09
Kolmogorov-Smirnov Test Statistic	0.161	95% Percentile Bootstrap UCL	9.324
Kolmogorov-Smirnov 5% Critical Value	0.229	95% BCA Bootstrap UCL	10.07
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	14.25
		97.5% Chebyshev(Mean, Sd) UCL	17.79

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	24.74
95% Approximate Gamma UCL	10.7		
95% Adjusted Gamma UCL	11.51		
Potential UCL to Use		Use 95% Approximate Gamma UCL	10.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	14
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3870	Minimum of Log Data	8.261
Maximum	25400	Maximum of Log Data	10.14
Mean	11700	Mean of log Data	9.146
Median	7620	SD of log Data	0.687
SD	8028		
Coefficient of Variation	0.686		
Skewness	0.693		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.806	Shapiro Wilk Test Statistic	0.873
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	15351	95% H-UCL	18056
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	21114
95% Adjusted-CLT UCL (Chen-1995)	15506	97.5% Chebyshev (MVUE) UCL	25211
95% Modified-t UCL (Johnson-1978)	15413	99% Chebyshev (MVUE) UCL	33259
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.972	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	5934		
MLE of Mean	11700		
MLE of Standard Deviation	8332		
nu star	59.15		
Approximate Chi Square Value (.05)	42.47	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	15110
Adjusted Chi Square Value	40.73	95% Jackknife UCL	15351
		95% Standard Bootstrap UCL	15061
Anderson-Darling Test Statistic	0.985	95% Bootstrap-t UCL	16195
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	14715
Kolmogorov-Smirnov Test Statistic	0.206	95% Percentile Bootstrap UCL	14979

Kolmogorov-Smirnov 5% Critical Value	0.224	95% BCA Bootstrap UCL	15110
Data follow Appr. Gamma Distribution at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20735
		97.5% Chebyshev(Mean, Sd) UCL	24645
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	32325
95% Approximate Gamma UCL	16297		
95% Adjusted Gamma UCL	16992		
Potential UCL to Use		Use 95% Approximate Gamma UCL	16297

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	91		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.98	Minimum of Log Data	-0.0202
Maximum	75	Maximum of Log Data	4.317
Mean	20.55	Mean of log Data	2.444
Median	15.8	SD of log Data	1.273
SD	19.13		
Coefficient of Variation	0.931		
Skewness	1.226		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.874	Shapiro Wilk Test Statistic	0.921
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	26.6	95% H-UCL	51.15
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	55.54
95% Adjusted-CLT UCL (Chen-1995)	27.26	97.5% Chebyshev (MVUE) UCL	68.87
95% Modified-t UCL (Johnson-1978)	26.73	99% Chebyshev (MVUE) UCL	95.06

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.917	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	22.4		
MLE of Mean	20.55		
MLE of Standard Deviation	21.46		
nu star	53.21		
Approximate Chi Square Value (.05)	37.45	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	26.4
Adjusted Chi Square Value	36.66	95% Jackknife UCL	26.6
		95% Standard Bootstrap UCL	26.26

Anderson-Darling Test Statistic	0.316	95% Bootstrap-t UCL	27.92
Anderson-Darling 5% Critical Value	0.774	95% Hall's Bootstrap UCL	27.84
Kolmogorov-Smirnov Test Statistic	0.114	95% Percentile Bootstrap UCL	26.71
Kolmogorov-Smirnov 5% Critical Value	0.167	95% BCA Bootstrap UCL	27
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	36.04
		97.5% Chebyshev(Mean, Sd) UCL	42.74
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	55.9
95% Approximate Gamma UCL	29.2		
95% Adjusted Gamma UCL	29.83		
Potential UCL to Use		Use 95% Approximate Gamma UCL	29.2

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	13
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	9.4	Minimum of Log Data	2.241
Maximum	183	Maximum of Log Data	5.209
Mean	56.3	Mean of log Data	3.589
Median	30.8	SD of log Data	1.011
SD	52.23		
Coefficient of Variation	0.928		
Skewness	1.177		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.846	Shapiro Wilk Test Statistic	0.927
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	80.05	95% H-UCL	127.2
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	129.1
95% Adjusted-CLT UCL (Chen-1995)	82.86	97.5% Chebyshev (MVUE) UCL	160.1
95% Modified-t UCL (Johnson-1978)	80.74	99% Chebyshev (MVUE) UCL	221
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.063	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	52.98		
MLE of Mean	56.3		
MLE of Standard Deviation	54.62		
nu star	31.88		
Approximate Chi Square Value (.05)	19.98	**Nonparametric Statistics**	

Adjusted Level of Significance	0.0324	95% CLT UCL	78.48
Adjusted Chi Square Value	18.82	95% Jackknife UCL	80.05
		95% Standard Bootstrap UCL	77.49
Anderson-Darling Test Statistic	0.479	95% Bootstrap-t UCL	86.2
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	84.34
Kolmogorov-Smirnov Test Statistic	0.154	95% Percentile Bootstrap UCL	79.35
Kolmogorov-Smirnov 5% Critical Value	0.227	95% BCA Bootstrap UCL	83.68
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	115.1
		97.5% Chebyshev(Mean, Sd) UCL	140.5
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	190.5
95% Approximate Gamma UCL	89.85		
95% Adjusted Gamma UCL	95.36		
Potential UCL to Use		Use 95% Approximate Gamma UCL	89.85

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	91		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.64	Minimum of Log Data	-0.446
Maximum	40.6	Maximum of Log Data	3.704
Mean	10.91	Mean of log Data	1.99
Median	8.4	SD of log Data	1.04
SD	9.021		
Coefficient of Variation	0.827		
Skewness	1.47		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.878	Shapiro Wilk Test Statistic	0.928
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	13.76	95% H-UCL	20.61
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	24.13
95% Adjusted-CLT UCL (Chen-1995)	14.16	97.5% Chebyshev (MVUE) UCL	29.28
95% Modified-t UCL (Johnson-1978)	13.84	99% Chebyshev (MVUE) UCL	39.4
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.274	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	8.567		
MLE of Mean	10.91		

MLE of Standard Deviation	9.669		
nu star	73.87		
Approximate Chi Square Value (.05)	55.08	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	13.67
Adjusted Chi Square Value	54.11	95% Jackknife UCL	13.76
		95% Standard Bootstrap UCL	13.63
Anderson-Darling Test Statistic	0.222	95% Bootstrap-t UCL	14.42
Anderson-Darling 5% Critical Value	0.765	95% Hall's Bootstrap UCL	14.77
Kolmogorov-Smirnov Test Statistic	0.0697	95% Percentile Bootstrap UCL	13.76
Kolmogorov-Smirnov 5% Critical Value	0.166	95% BCA Bootstrap UCL	14
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	18.21
		97.5% Chebyshev(Mean, Sd) UCL	21.37
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	27.58
95% Approximate Gamma UCL	14.63		
95% Adjusted Gamma UCL	14.9		
Potential UCL to Use		Use 95% Approximate Gamma UCL	14.63

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	15
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	10.9	Minimum of Log Data	2.389
Maximum	43.3	Maximum of Log Data	3.768
Mean	20.91	Mean of log Data	2.957
Median	17.4	SD of log Data	0.413
SD	9.375		
Coefficient of Variation	0.448		
Skewness	1.164		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.876	Shapiro Wilk Test Statistic	0.945
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	25.17	95% H-UCL	26.05
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	30.68
95% Adjusted-CLT UCL (Chen-1995)	25.67	97.5% Chebyshev (MVUE) UCL	34.95
95% Modified-t UCL (Johnson-1978)	25.29	99% Chebyshev (MVUE) UCL	43.34
Gamma Distribution Test		**Data Distribution**	

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k star (bias corrected)	4.97	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	4.207		
MLE of Mean	20.91		
MLE of Standard Deviation	9.378		
nu star	149.1		
Approximate Chi Square Value (.05)	121.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	24.89
Adjusted Chi Square Value	118.8	95% Jackknife UCL	25.17
		95% Standard Bootstrap UCL	24.83
Anderson-Darling Test Statistic	0.481	95% Bootstrap-t UCL	26.61
Anderson-Darling 5% Critical Value	0.738	95% Hall's Bootstrap UCL	25.85
Kolmogorov-Smirnov Test Statistic	0.186	95% Percentile Bootstrap UCL	24.79
Kolmogorov-Smirnov 5% Critical Value	0.222	95% BCA Bootstrap UCL	25.52
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	31.46
		97.5% Chebyshev(Mean, Sd) UCL	36.02
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	44.99
95% Approximate Gamma UCL	25.58		
95% Adjusted Gamma UCL	26.23		
Potential UCL to Use		Use 95% Approximate Gamma UCL	25.58

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet_a.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TOTAL CHROMIUM

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.315	Minimum of Log Data	-1.155
Maximum	4.185	Maximum of Log Data	1.432
Mean	0.761	Mean of log Data	-0.447
Median	0.57	SD of log Data	0.504
SD	0.706		
Coefficient of Variation	0.928		
Skewness	4.375		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.482	Shapiro Wilk Test Statistic	0.845
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	0.984	95% H-UCL	0.875
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.031
95% Adjusted-CLT UCL (Chen-1995)	1.091	97.5% Chebyshev (MVUE) UCL	1.164
95% Modified-t UCL (Johnson-1978)	1.002	99% Chebyshev (MVUE) UCL	1.426
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.739	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.278		
MLE of Mean	0.761		
MLE of Standard Deviation	0.46		
nu star	158.8		
Approximate Chi Square Value (.05)	130.7	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	0.977
Adjusted Chi Square Value	129.2	95% Jackknife UCL	0.984
		95% Standard Bootstrap UCL	0.972
Anderson-Darling Test Statistic	2.274	95% Bootstrap-t UCL	1.383
Anderson-Darling 5% Critical Value	0.753	95% Hall's Bootstrap UCL	1.79
Kolmogorov-Smirnov Test Statistic	0.226	95% Percentile Bootstrap UCL	0.995
Kolmogorov-Smirnov 5% Critical Value	0.164	95% BCA Bootstrap UCL	1.105
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.333
		97.5% Chebyshev(Mean, Sd) UCL	1.58

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Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					2.066
95% Approximate Gamma UCL	0.925						
95% Adjusted Gamma UCL	0.936						
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL					1.333

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet_a.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	29	Number of Detected Data	15
Number of Distinct Detected Data	11	Number of Non-Detect Data	14
Number of Missing Values	191	Percent Non-Detects	48.28%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.031	Minimum Detected	-3.474
Maximum Detected	1.345	Maximum Detected	0.296
Mean of Detected	0.328	Mean of Detected	-1.526
SD of Detected	0.353	SD of Detected	0.932
Minimum Non-Detect	0.066	Minimum Non-Detect	-2.718
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.706	Shapiro Wilk Test Statistic	0.961
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.558	Mean	-1.3
SD	0.575	SD	1.324
95% DL/2 (t) UCL	0.739	95% H-Stat (DL/2) UCL	1.35
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.951
		SD in Log Scale	0.915
		Mean in Original Scale	0.223
		SD in Original Scale	0.278
		95% t UCL	0.311
		95% Percentile Bootstrap UCL	0.311
		95% BCA Bootstrap UCL	0.34
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.131	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	0.29		

nu star	33.94		
A-D Test Statistic	0.662	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	0.25
5% K-S Critical Value	0.226	SD	0.314
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.071
		95% KM (t) UCL	0.371
Assuming Gamma Distribution		95% KM (z) UCL	0.367
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.367
Minimum	1E-12	95% KM (bootstrap t) UCL	0.527
Maximum	1.345	95% KM (BCA) UCL	0.385
Mean	0.335	95% KM (Percentile Bootstrap) UCL	0.375
Median	0.22	95% KM (Chebyshev) UCL	0.56
SD	0.308	97.5% KM (Chebyshev) UCL	0.694
k star	0.488	99% KM (Chebyshev) UCL	0.957
Theta star	0.687		
Nu star	28.3	**Potential UCLs to Use**	
AppChi2	17.16	95% KM (t) UCL	0.371
95% Gamma Approximate UCL	0.553		
95% Adjusted Gamma UCL	0.57		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	29	Number of Detected Data	20
Number of Distinct Detected Data	17	Number of Non-Detect Data	9
Number of Missing Values	191	Percent Non-Detects	31.03%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0125	Minimum Detected	-4.382
Maximum Detected	6.4	Maximum Detected	1.856
Mean of Detected	0.526	Mean of Detected	-2.089
SD of Detected	1.413	SD of Detected	1.569
Minimum Non-Detect	0.012	Minimum Non-Detect	-4.423
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.55%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.378	Shapiro Wilk Test Statistic	0.955
5% Shapiro Wilk Critical Value	0.905	5% Shapiro Wilk Critical Value	0.905

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Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.739	Mean	-1.533
SD	1.233	SD	1.822
95% DL/2 (t) UCL	1.128	95% H-Stat (DL/2) UCL	3.964
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.303
		SD in Log Scale	1.509
		Mean in Original Scale	0.394
		SD in Original Scale	1.182
		95% t UCL	0.768
		95% Percentile Bootstrap UCL	0.817
		95% BCA Bootstrap UCL	1.111
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.413	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.274		
nu star	16.52		
A-D Test Statistic	1.535	**Nonparametric Statistics**	
5% A-D Critical Value	0.814	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.814	Mean	0.42
5% K-S Critical Value	0.206	SD	1.165
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.225
		95% KM (t) UCL	0.802
Assuming Gamma Distribution		95% KM (z) UCL	0.79
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.799
Minimum	1E-12	95% KM (bootstrap t) UCL	2.108
Maximum	6.4	95% KM (BCA) UCL	0.888
Mean	0.463	95% KM (Percentile Bootstrap) UCL	0.818
Median	0.16	95% KM (Chebyshev) UCL	1.399
SD	1.19	97.5% KM (Chebyshev) UCL	1.823
k star	0.2	99% KM (Chebyshev) UCL	2.654
Theta star	2.318		
Nu star	11.58	**Potential UCLs to Use**	
AppChi2	4.952	99% KM (Chebyshev) UCL	2.654
95% Gamma Approximate UCL	1.082		
95% Adjusted Gamma UCL	1.142		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Number of Valid Data	29	Number of Detected Data	27
Number of Distinct Detected Data	23	Number of Non-Detect Data	2
Number of Missing Values	191	Percent Non-Detects	6.90%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2	Minimum Detected	0.693
Maximum Detected	278	Maximum Detected	5.628
Mean of Detected	23.05	Mean of Detected	2.225
SD of Detected	53.92	SD of Detected	1.115
Minimum Non-Detect	2.8	Minimum Non-Detect	1.03
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	26
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	10.34%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.393	Shapiro Wilk Test Statistic	0.882
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	21.56	Mean	2.096
SD	52.26	SD	1.178
95% DL/2 (t) UCL	38.06	95% H-Stat (DL/2) UCL	29.68
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	17.67	Mean in Log Scale	2.076
SD	54.95	SD in Log Scale	1.212
95% MLE (t) UCL	35.02	Mean in Original Scale	21.53
95% MLE (Tiku) UCL	33.7	SD in Original Scale	52.27
		95% t UCL	38.04
		95% Percentile Bootstrap UCL	38.57
		95% BCA Bootstrap UCL	50.68
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.618	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37.32		
nu star	33.35		
A-D Test Statistic	2.878	**Nonparametric Statistics**	
5% A-D Critical Value	0.792	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.792	Mean	21.6
5% K-S Critical Value	0.176	SD	51.33
Data not Gamma Distributed at 5% Significance Level		SE of Mean	9.714
		95% KM (t) UCL	38.12
Assuming Gamma Distribution		95% KM (z) UCL	37.57
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	38.04
Minimum	1E-12	95% KM (bootstrap t) UCL	91.53

Maximum	278	95% KM (BCA) UCL	39.96
Mean	21.46	95% KM (Percentile Bootstrap) UCL	39.2
Median	6.8	95% KM (Chebyshev) UCL	63.94
SD	52.3	97.5% KM (Chebyshev) UCL	82.26
k star	0.243	99% KM (Chebyshev) UCL	118.2
Theta star	88.23		
Nu star	14.11	**Potential UCLs to Use**	
AppChi2	6.644	97.5% KM (Chebyshev) UCL	82.26
95% Gamma Approximate UCL	45.56		
95% Adjusted Gamma UCL	47.75		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	29	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	21
Number of Missing Values	191	Percent Non-Detects	72.41%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.061	Minimum Detected	-2.797
Maximum Detected	0.41	Maximum Detected	-0.892
Mean of Detected	0.175	Mean of Detected	-1.928
SD of Detected	0.119	SD of Detected	0.647
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	79.31%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.86	Shapiro Wilk Test Statistic	0.955
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	

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Mean	0.0661	Mean	-3.475
SD	0.0927	SD	1.243
95% DL/2 (t) UCL	0.0954	95% H-Stat (DL/2) UCL	0.129
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-3.593
		SD in Log Scale	1.256
		Mean in Original Scale	0.0615
		SD in Original Scale	0.0936
		95% t UCL	0.0911
		95% Percentile Bootstrap UCL	0.092
		95% BCA Bootstrap UCL	0.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.855	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0945		
nu star	29.69		
A-D Test Statistic	0.321	**Nonparametric Statistics**	
5% A-D Critical Value	0.722	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.722	Mean	0.0927
5% K-S Critical Value	0.296	SD	0.0777
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0154
		95% KM (t) UCL	0.119
Assuming Gamma Distribution		95% KM (z) UCL	0.118
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.114
Minimum	0.00667	95% KM (bootstrap t) UCL	0.136
Maximum	0.41	95% KM (BCA) UCL	0.158
Mean	0.211	95% KM (Percentile Bootstrap) UCL	0.146
Median	0.225	95% KM (Chebyshev) UCL	0.16
SD	0.105	97.5% KM (Chebyshev) UCL	0.189
k star	2.344	99% KM (Chebyshev) UCL	0.246
Theta star	0.0901		
Nu star	135.9	**Potential UCLs to Use**	
AppChi2	110	95% KM (t) UCL	0.119
95% Gamma Approximate UCL	0.261	95% KM (Percentile Bootstrap) UCL	0.146
95% Adjusted Gamma UCL	0.264		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	21	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	17
Number of Missing Values	77	Percent Non-Detects	80.95%

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.378	Minimum Detected	-0.974
Maximum Detected	3.2	Maximum Detected	1.163
Mean of Detected	1.354	Mean of Detected	-0.0187
SD of Detected	1.277	SD of Detected	0.919
Minimum Non-Detect	0.077	Minimum Non-Detect	-2.564
Maximum Non-Detect	0.78	Maximum Non-Detect	-0.248
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	19
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.48%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.845	Shapiro Wilk Test Statistic	0.978
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.359	Mean	-1.876
SD	0.705	SD	1.162
95% DL/2 (t) UCL	0.624	95% H-Stat (DL/2) UCL	0.622
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.988
		SD in Log Scale	1.541
		Mean in Original Scale	0.279
		SD in Original Scale	0.728
		95% t UCL	0.553
		95% Percentile Bootstrap UCL	0.571
		95% BCA Bootstrap UCL	0.704
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.592	**Data appear Normal at 5% Significance Level**	
Theta Star	2.289		
nu star	4.733		
A-D Test Statistic	0.285	**Nonparametric Statistics**	
5% A-D Critical Value	0.662	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.662	Mean	0.564
5% K-S Critical Value	0.399	SD	0.617
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.155
		95% KM (t) UCL	0.832

Assuming Gamma Distribution		95% KM (z) UCL	0.82
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.802
Minimum	1E-12	95% KM (bootstrap t) UCL	1.02
Maximum	3.2	95% KM (BCA) UCL	3.2
Mean	0.258	95% KM (Percentile Bootstrap) UCL	1.425
Median	1E-12	95% KM (Chebyshev) UCL	1.242
SD	0.736	97.5% KM (Chebyshev) UCL	1.535
k star	0.068	99% KM (Chebyshev) UCL	2.11
Theta star	3.796		
Nu star	2.854	**Potential UCLs to Use**	
AppChi2	0.331	95% KM (t) UCL	0.832
95% Gamma Approximate UCL	2.227	95% KM (Percentile Bootstrap) UCL	1.425
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	34
Number of Missing Values	178	Percent Non-Detects	80.95%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	11	Minimum Detected	2.398
Maximum Detected	43000	Maximum Detected	10.67
Mean of Detected	10353	Mean of Detected	5.947
SD of Detected	18946	SD of Detected	3.08
Minimum Non-Detect	0.29	Minimum Non-Detect	-1.238
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	34
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	80.95%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.587	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1974	Mean	1.533
SD	8844	SD	2.718
95% DL/2 (t) UCL	4270	95% H-Stat (DL/2) UCL	1372
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.818
		SD in Log Scale	6.39
		Mean in Original Scale	1972
		SD in Original Scale	8844
		95% t UCL	4269
		95% Percentile Bootstrap UCL	4651
		95% BCA Bootstrap UCL	5790
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.221	**Data appear Lognormal at 5% Significance Level**	
Theta Star	46902		
nu star	3.532		
A-D Test Statistic	1.071	**Nonparametric Statistics**	
5% A-D Critical Value	0.828	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.828	Mean	1981
5% K-S Critical Value	0.322	SD	8736
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1441
		95% KM (t) UCL	4406
Assuming Gamma Distribution		95% KM (z) UCL	4351
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4251
Minimum	1E-12	95% KM (bootstrap t) UCL	285630
Maximum	43000	95% KM (BCA) UCL	4940
Mean	9638	95% KM (Percentile Bootstrap) UCL	4762
Median	11253	95% KM (Chebyshev) UCL	8262
SD	8689	97.5% KM (Chebyshev) UCL	10980
k star	0.223	99% KM (Chebyshev) UCL	16319
Theta star	43208		
Nu star	18.74	**Potential UCLs to Use**	
AppChi2	9.926	99% KM (Chebyshev) UCL	16319
95% Gamma Approximate UCL	18194		
95% Adjusted Gamma UCL	18624		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	8

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Number of Distinct Detected Data	7	Number of Non-Detect Data	34
Number of Missing Values	178	Percent Non-Detects	80.95%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	47	Minimum Detected	3.85
Maximum Detected	210000	Maximum Detected	12.25
Mean of Detected	49173	Mean of Detected	7.265
SD of Detected	90364	SD of Detected	3.245
Minimum Non-Detect	0.22	Minimum Non-Detect	-1.514
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	34
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	80.95%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.594	Shapiro Wilk Test Statistic	0.839
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9368	Mean	1.842
SD	42143	SD	3.104
95% DL/2 (t) UCL	20312	95% H-Stat (DL/2) UCL	10143
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.126
		SD in Log Scale	6.669
		Mean in Original Scale	9366
		SD in Original Scale	42144
		95% t UCL	20310
		95% Percentile Bootstrap UCL	19407
		95% BCA Bootstrap UCL	24432
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.213	**Data appear Lognormal at 5% Significance Level**	
Theta Star	231258		
nu star	3.402		
A-D Test Statistic	1.048	**Nonparametric Statistics**	
5% A-D Critical Value	0.833	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.833	Mean	9404

5% K-S Critical Value	0.323	SD	41630
Data not Gamma Distributed at 5% Significance Level		SE of Mean	6867
		95% KM (t) UCL	20961
Assuming Gamma Distribution		95% KM (z) UCL	20700
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	20276
Minimum	1E-12	95% KM (bootstrap t) UCL	1334864
Maximum	768733	95% KM (BCA) UCL	23682
Mean	96139	95% KM (Percentile Bootstrap) UCL	20167
Median	36759	95% KM (Chebyshev) UCL	39338
SD	164901	97.5% KM (Chebyshev) UCL	52290
k star	0.0978	99% KM (Chebyshev) UCL	77732
Theta star	983211		
Nu star	8.214	**Potential UCLs to Use**	
AppChi2	2.859	99% KM (Chebyshev) UCL	77732
95% Gamma Approximate UCL	276166		
95% Adjusted Gamma UCL	287386		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	7
Number of Distinct Detected Data	6	Number of Non-Detect Data	35
Number of Missing Values	178	Percent Non-Detects	83.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.3	Minimum Detected	0.262
Maximum Detected	2700	Maximum Detected	7.901
Mean of Detected	615	Mean of Detected	3.975
SD of Detected	1072	SD of Detected	2.737
Minimum Non-Detect	0.5	Minimum Non-Detect	-0.693
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	85.71%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

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Shapiro Wilk Test Statistic	0.662	Shapiro Wilk Test Statistic	0.911
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	104.6	Mean	1.221
SD	470.7	SD	1.82
95% DL/2 (t) UCL	226.8	95% H-Stat (DL/2) UCL	46.72
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.221
		SD in Log Scale	5.267
		Mean in Original Scale	102.5
		SD in Original Scale	471.2
		95% t UCL	224.9
		95% Percentile Bootstrap UCL	231.3
		95% BCA Bootstrap UCL	333.7
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.258	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	2387		
nu star	3.607		
A-D Test Statistic	0.686	**Nonparametric Statistics**	
5% A-D Critical Value	0.79	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.79	Mean	103.6
5% K-S Critical Value	0.336	SD	465.3
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	77.55
		95% KM (t) UCL	234.1
Assuming Gamma Distribution		95% KM (z) UCL	231.1
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	218.4
Minimum	1.3	95% KM (bootstrap t) UCL	5543
Maximum	2700	95% KM (BCA) UCL	275.5
Mean	543.6	95% KM (Percentile Bootstrap) UCL	240.8
Median	332.2	95% KM (Chebyshev) UCL	441.6
SD	655.8	97.5% KM (Chebyshev) UCL	587.9
k star	0.737	99% KM (Chebyshev) UCL	875.2
Theta star	738.1		
Nu star	61.87	**Potential UCLs to Use**	
AppChi2	44.78	95% KM (t) UCL	234.1
95% Gamma Approximate UCL	751.1		
95% Adjusted Gamma UCL	759.9		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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AROCLOR-1254

General Statistics

Number of Valid Data	220	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	217
		Percent Non-Detects	98.64%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	51	Minimum Detected	3.932
Maximum Detected	36000	Maximum Detected	10.49
Mean of Detected	13617	Mean of Detected	7.633
SD of Detected	19529	SD of Detected	3.36
Minimum Non-Detect	17	Minimum Non-Detect	2.833
Maximum Non-Detect	740000	Maximum Non-Detect	13.51
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	220
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.847	Shapiro Wilk Test Statistic	0.953
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3746	Mean	4.031
SD	26318	SD	2.528
95% DL/2 (t) UCL	6677	95% H-Stat (DL/2) UCL	2623
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-17.71
		SD in Log Scale	7.585
		Mean in Original Scale	185.7
		SD in Original Scale	2447
		95% t UCL	458.2
		95% Percentile Bootstrap UCL	512.7
		95% BCA Bootstrap UCL	840
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	

k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	244.8
5% K-S Critical Value	N/A	SD	2485
Data not Gamma Distributed at 5% Significance Level		SE of Mean	209.2
		95% KM (t) UCL	590.3
Assuming Gamma Distribution		95% KM (z) UCL	588.8
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3303
Minimum	N/A	95% KM (bootstrap t) UCL	1038
Maximum	N/A	95% KM (BCA) UCL	36000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	1157
SD	N/A	97.5% KM (Chebyshev) UCL	1551
k star	N/A	99% KM (Chebyshev) UCL	2326
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	590.3
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1260

General Statistics

Number of Valid Data	220	Number of Detected Data	129
Number of Distinct Detected Data	109	Number of Non-Detect Data	91
		Percent Non-Detects	41.36%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	4.3	Minimum Detected	1.459
Maximum Detected	1800000	Maximum Detected	14.4
Mean of Detected	58917	Mean of Detected	7.031
SD of Detected	225692	SD of Detected	3.373
Minimum Non-Detect	17	Minimum Non-Detect	2.833
Maximum Non-Detect	290	Maximum Non-Detect	5.67
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	144
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	76
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	65.45%

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

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Lilliefors Test Statistic	0.397	Lilliefors Test Statistic	0.104
5% Lilliefors Critical Value	0.078	5% Lilliefors Critical Value	0.078
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	34555	Mean	5.167
SD	174976	SD	3.435
95% DL/2 (t) UCL	54041	95% H-Stat (DL/2) UCL	199443
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.629
		SD in Log Scale	4.072
		Mean in Original Scale	34552
		SD in Original Scale	174977
		95% t UCL	54038
		95% Percentile Bootstrap UCL	54450
		95% BCA Bootstrap UCL	64730
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.189	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	312082		
nu star	48.71		
A-D Test Statistic	6.73	**Nonparametric Statistics**	
5% A-D Critical Value	0.929	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.929	Mean	34551
5% K-S Critical Value	0.0913	SD	174579
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11816
		95% KM (t) UCL	54069
Assuming Gamma Distribution		95% KM (z) UCL	53987
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	54038
Minimum	1E-12	95% KM (bootstrap t) UCL	74918
Maximum	1800000	95% KM (BCA) UCL	53883
Mean	38546	95% KM (Percentile Bootstrap) UCL	55071
Median	71.5	95% KM (Chebyshev) UCL	86056
SD	175143	97.5% KM (Chebyshev) UCL	108342
k star	0.0607	99% KM (Chebyshev) UCL	152119
Theta star	635322		
Nu star	26.7	**Potential UCLs to Use**	
AppChi2	15.92	97.5% KM (Chebyshev) UCL	108342
95% Gamma Approximate UCL	64652		
95% Adjusted Gamma UCL	64876		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

PROUCL OUTPUT - BLOCK E SURFACE SOIL

General Statistics			
Number of Valid Data	12	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	6
Number of Missing Values	208	Percent Non-Detects	50.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	13000	Minimum Detected	9.473
Maximum Detected	8900000	Maximum Detected	16
Mean of Detected	1905500	Mean of Detected	12.94
SD of Detected	3461953	SD of Detected	2.198
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	6
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	50.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.62	Shapiro Wilk Test Statistic	0.988
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	955542	Mean	10.78
SD	2536186	SD	2.695
95% DL/2 (t) UCL	2270370	95% H-Stat (DL/2) UCL	357900000
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	9.668
		SD in Log Scale	3.923
		Mean in Original Scale	953576
		SD in Original Scale	2536991
		95% t UCL	2268821
		95% Percentile Bootstrap UCL	2374839
		95% BCA Bootstrap UCL	3162259
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.325	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	5866751		
nu star	3.898		

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A-D Test Statistic	0.291	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	959250
5% K-S Critical Value	0.352	SD	2426765
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	767410
		95% KM (t) UCL	2337431
Assuming Gamma Distribution		95% KM (z) UCL	2221528
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2224862
Minimum	13000	95% KM (bootstrap t) UCL	11643868
Maximum	8900000	95% KM (BCA) UCL	2650000
Mean	1905500	95% KM (Percentile Bootstrap) UCL	2429000
Median	1822302	95% KM (Chebyshev) UCL	4304315
SD	2334571	97.5% KM (Chebyshev) UCL	5751727
k star	0.641	99% KM (Chebyshev) UCL	8594888
Theta star	2970387		
Nu star	15.4	**Potential UCLs to Use**	
AppChi2	7.538	95% KM (t) UCL	2337431
95% Gamma Approximate UCL	3891991		
95% Adjusted Gamma UCL	4368848		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	5
Number of Distinct Detected Data	5	Number of Non-Detect Data	8
Number of Missing Values	207	Percent Non-Detects	61.54%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	64	Minimum Detected	4.159
Maximum Detected	1400	Maximum Detected	7.244
Mean of Detected	580.8	Mean of Detected	5.869
SD of Detected	545.2	SD of Detected	1.238
Minimum Non-Detect	55	Minimum Non-Detect	4.007
Maximum Non-Detect	120	Maximum Non-Detect	4.787
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	69.23%

Warning: There are only 5 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

PROUCL OUTPUT - BLOCK E SURFACE SOIL

UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.922	Shapiro Wilk Test Statistic	0.966
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	254.2	Mean	4.638
SD	414	SD	1.266
95% DL/2 (t) UCL	458.8	95% H-Stat (DL/2) UCL	779
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.788
		SD in Log Scale	1.997
		Mean in Original Scale	234.6
		SD in Original Scale	424.8
		95% t UCL	444.5
		95% Percentile Bootstrap UCL	436.3
		95% BCA Bootstrap UCL	523.6
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.593	**Data appear Normal at 5% Significance Level**	
Theta Star	980.1		
nu star	5.926		
A-D Test Statistic	0.191	**Nonparametric Statistics**	
5% A-D Critical Value	0.69	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.69	Mean	262.8
5% K-S Critical Value	0.364	SD	393.3
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	121.9
		95% KM (t) UCL	480.1
Assuming Gamma Distribution		95% KM (z) UCL	463.4
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	445.2
Minimum	64	95% KM (bootstrap t) UCL	529.2
Maximum	1400	95% KM (BCA) UCL	917.7
Mean	581	95% KM (Percentile Bootstrap) UCL	617.7
Median	566.3	95% KM (Chebyshev) UCL	794.3
SD	315.3	97.5% KM (Chebyshev) UCL	1024
k star	2.187	99% KM (Chebyshev) UCL	1476
Theta star	265.7		
Nu star	56.85	**Potential UCLs to Use**	
AppChi2	40.52	95% KM (t) UCL	480.1
95% Gamma Approximate UCL	815.2	95% KM (Percentile Bootstrap) UCL	617.7
95% Adjusted Gamma UCL	856.6		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SURFACE SOIL

PROUCL OUTPUT - BLOCK E SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	22
Number of Missing Values	191		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.52	Minimum of Log Data	-0.654
Maximum	9.6	Maximum of Log Data	2.262
Mean	1.838	Mean of log Data	0.409
Median	1.5	SD of log Data	0.58
SD	1.659		
Coefficient of Variation	0.903		
Skewness	3.92		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.572	Shapiro Wilk Test Statistic	0.935
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	2.362	95% H-UCL	2.221
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	2.648
95% Adjusted-CLT UCL (Chen-1995)	2.584	97.5% Chebyshev (MVUE) UCL	3.028
95% Modified-t UCL (Johnson-1978)	2.399	99% Chebyshev (MVUE) UCL	3.774
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.405	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.764		
MLE of Mean	1.838		
MLE of Standard Deviation	1.185		
nu star	139.5		
Approximate Chi Square Value (.05)	113.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	2.345
Adjusted Chi Square Value	111.8	95% Jackknife UCL	2.362
		95% Standard Bootstrap UCL	2.339
Anderson-Darling Test Statistic	1.211	95% Bootstrap-t UCL	3.014
Anderson-Darling 5% Critical Value	0.754	95% Hall's Bootstrap UCL	4.405
Kolmogorov-Smirnov Test Statistic	0.19	95% Percentile Bootstrap UCL	2.399
Kolmogorov-Smirnov 5% Critical Value	0.164	95% BCA Bootstrap UCL	2.64
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	3.181
		97.5% Chebyshev(Mean, Sd) UCL	3.762

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	4.903
95% Approximate Gamma UCL	2.265		
95% Adjusted Gamma UCL	2.293		
Potential UCL to Use		Use 95% H-UCL	2.221

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	17
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	27.2	Maximum of Log Data	3.303
Mean	5.933	Mean of log Data	1.536
Median	4	SD of log Data	0.615
SD	5.925		
Coefficient of Variation	0.999		
Skewness	2.93		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.546	Shapiro Wilk Test Statistic	0.781
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	8.163	95% H-UCL	7.485
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	8.974
95% Adjusted-CLT UCL (Chen-1995)	8.943	97.5% Chebyshev (MVUE) UCL	10.46
95% Modified-t UCL (Johnson-1978)	8.301	99% Chebyshev (MVUE) UCL	13.36

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.911	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.104		
MLE of Mean	5.933		
MLE of Standard Deviation	4.292		
nu star	80.27		
Approximate Chi Square Value (.05)	60.63	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	8.06

Adjusted Chi Square Value	59.32	95% Jackknife UCL	8.163
		95% Standard Bootstrap UCL	8.027
Anderson-Darling Test Statistic	2.694	95% Bootstrap-t UCL	12.25
Anderson-Darling 5% Critical Value	0.753	95% Hall's Bootstrap UCL	15.19
Kolmogorov-Smirnov Test Statistic	0.338	95% Percentile Bootstrap UCL	8.162
Kolmogorov-Smirnov 5% Critical Value	0.192	95% BCA Bootstrap UCL	8.914
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	11.57
		97.5% Chebyshev(Mean, Sd) UCL	14.01
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.8
95% Approximate Gamma UCL	7.856		
95% Adjusted Gamma UCL	8.029		
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL	11.57

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	18
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5610	Minimum of Log Data	8.632
Maximum	29900	Maximum of Log Data	10.31
Mean	15185	Mean of log Data	9.569
Median	13800	SD of log Data	0.359
SD	5416		
Coefficient of Variation	0.357		
Skewness	1.015		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.933	Shapiro Wilk Test Statistic	0.965
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	17224	95% H-UCL	17740
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	20513
95% Adjusted-CLT UCL (Chen-1995)	17409	97.5% Chebyshev (MVUE) UCL	22806
95% Modified-t UCL (Johnson-1978)	17268	99% Chebyshev (MVUE) UCL	27312
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.377	**Data appear Normal at 5% Significance Level**	
Theta Star	2058		
MLE of Mean	15185		
MLE of Standard Deviation	5591		

nu star	309.8		
Approximate Chi Square Value (.05)	270.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	17130
Adjusted Chi Square Value	267.2	95% Jackknife UCL	17224
		95% Standard Bootstrap UCL	17124
Anderson-Darling Test Statistic	0.325	95% Bootstrap-t UCL	17621
Anderson-Darling 5% Critical Value	0.743	95% Hall's Bootstrap UCL	17867
Kolmogorov-Smirnov Test Statistic	0.135	95% Percentile Bootstrap UCL	17200
Kolmogorov-Smirnov 5% Critical Value	0.19	95% BCA Bootstrap UCL	17415
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20338
		97.5% Chebyshev(Mean, Sd) UCL	22567
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	26946
95% Approximate Gamma UCL	17422		
95% Adjusted Gamma UCL	17608		
Potential UCL to Use		Use 95% Student's-t UCL	17224

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	21
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	11.2	Minimum of Log Data	2.416
Maximum	787.5	Maximum of Log Data	6.669
Mean	117.8	Mean of log Data	4.365
Median	74.9	SD of log Data	0.839
SD	161.3		
Coefficient of Variation	1.369		
Skewness	3.919		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.493	Shapiro Wilk Test Statistic	0.94
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	178.5	95% H-UCL	174.1
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	205.1
95% Adjusted-CLT UCL (Chen-1995)	207.9	97.5% Chebyshev (MVUE) UCL	246.5
95% Modified-t UCL (Johnson-1978)	183.5	99% Chebyshev (MVUE) UCL	327.8
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.216	**Data appear Lognormal at 5% Significance Level**	

Theta Star	96.9		
MLE of Mean	117.8		
MLE of Standard Deviation	106.8		
nu star	51.07		
Approximate Chi Square Value (.05)	35.66	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	175.7
Adjusted Chi Square Value	34.67	95% Jackknife UCL	178.5
		95% Standard Bootstrap UCL	174.8
Anderson-Darling Test Statistic	1.152	95% Bootstrap-t UCL	310.2
Anderson-Darling 5% Critical Value	0.761	95% Hall's Bootstrap UCL	413.5
Kolmogorov-Smirnov Test Statistic	0.195	95% Percentile Bootstrap UCL	183.1
Kolmogorov-Smirnov 5% Critical Value	0.193	95% BCA Bootstrap UCL	225.8
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	271.2
		97.5% Chebyshev(Mean, Sd) UCL	337.6
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	468
95% Approximate Gamma UCL	168.7		
95% Adjusted Gamma UCL	173.6		
Potential UCL to Use		Use 95% H-UCL	174.1

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	28
Number of Missing Values	191		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.2	Minimum of Log Data	1.163
Maximum	20	Maximum of Log Data	2.996
Mean	9.488	Mean of log Data	2.139
Median	8.7	SD of log Data	0.487
SD	4.522		
Coefficient of Variation	0.477		
Skewness	0.738		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.936	Shapiro Wilk Test Statistic	0.98
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	10.92	95% H-UCL	11.43
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.43
95% Adjusted-CLT UCL (Chen-1995)	10.99	97.5% Chebyshev (MVUE) UCL	15.12
95% Modified-t UCL (Johnson-1978)	10.94	99% Chebyshev (MVUE) UCL	18.44
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.201	**Data appear Normal at 5% Significance Level**	
Theta Star	2.258		
MLE of Mean	9.488		
MLE of Standard Deviation	4.629		
nu star	243.7		
Approximate Chi Square Value (.05)	208.5	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	10.87
Adjusted Chi Square Value	206.6	95% Jackknife UCL	10.92
		95% Standard Bootstrap UCL	10.85
Anderson-Darling Test Statistic	0.185	95% Bootstrap-t UCL	11.05
Anderson-Darling 5% Critical Value	0.748	95% Hall's Bootstrap UCL	11
Kolmogorov-Smirnov Test Statistic	0.0778	95% Percentile Bootstrap UCL	10.96
Kolmogorov-Smirnov 5% Critical Value	0.163	95% BCA Bootstrap UCL	10.89
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.15
		97.5% Chebyshev(Mean, Sd) UCL	14.73
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	17.84
95% Approximate Gamma UCL	11.09		
95% Adjusted Gamma UCL	11.19		
Potential UCL to Use		Use 95% Student's-t UCL	10.92

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	21
Number of Missing Values	77		

Raw Statistics		Log-transformed Statistics	
Minimum	8.5	Minimum of Log Data	2.14
Maximum	60.7	Maximum of Log Data	4.106
Mean	19.27	Mean of log Data	2.845
Median	15.9	SD of log Data	0.444
SD	11.78		
Coefficient of Variation	0.611		
Skewness	2.712		

Relevant UCL Statistics

Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.663	Shapiro Wilk Test Statistic	0.89

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Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	23.7	95% H-UCL	23.03
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	27.12
95% Adjusted-CLT UCL (Chen-1995)	25.12	97.5% Chebyshev (MVUE) UCL	30.68
95% Modified-t UCL (Johnson-1978)	23.96	99% Chebyshev (MVUE) UCL	37.67
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.957	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	4.87		
MLE of Mean	19.27		
MLE of Standard Deviation	9.688		
nu star	166.2		
Approximate Chi Square Value (.05)	137.4	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	23.5
Adjusted Chi Square Value	135.4	95% Jackknife UCL	23.7
		95% Standard Bootstrap UCL	23.37
Anderson-Darling Test Statistic	1.253	95% Bootstrap-t UCL	29.62
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	46.76
Kolmogorov-Smirnov Test Statistic	0.227	95% Percentile Bootstrap UCL	23.89
Kolmogorov-Smirnov 5% Critical Value	0.19	95% BCA Bootstrap UCL	25.3
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	30.47
		97.5% Chebyshev(Mean, Sd) UCL	35.32
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	44.84
95% Approximate Gamma UCL	23.31		
95% Adjusted Gamma UCL	23.66		
Potential UCL to Use		Use 95% Student's-t UCL	23.7
		or 95% Modified-t UCL	23.96

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	32	Number of Distinct Observations	26
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.405	Minimum of Log Data	-0.904
Maximum	9.25	Maximum of Log Data	2.225
Mean	1.348	Mean of log Data	-0.0257
Median	0.805	SD of log Data	0.679
SD	1.72		
Coefficient of Variation	1.275		
Skewness	3.795		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.492	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.93	Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.864	95% H-UCL	1.583
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.904
95% Adjusted-CLT UCL (Chen-1995)	2.066	97.5% Chebyshev (MVUE) UCL	2.201
95% Modified-t UCL (Johnson-1978)	1.898	99% Chebyshev (MVUE) UCL	2.785
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.55	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.87		
MLE of Mean	1.348		
MLE of Standard Deviation	1.083		
nu star	99.22		
Approximate Chi Square Value (.05)	77.24	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0416	95% CLT UCL	1.849
Adjusted Chi Square Value	76.2	95% Jackknife UCL	1.864
		95% Standard Bootstrap UCL	1.835
Anderson-Darling Test Statistic	2.96	95% Bootstrap-t UCL	2.834
Anderson-Darling 5% Critical Value	0.762	95% Hall's Bootstrap UCL	3.963
Kolmogorov-Smirnov Test Statistic	0.242	95% Percentile Bootstrap UCL	1.907
Kolmogorov-Smirnov 5% Critical Value	0.158	95% BCA Bootstrap UCL	2.124
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	2.674
		97.5% Chebyshev(Mean, Sd) UCL	3.247

PROUCL OUTPUT - BLOCK F SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					4.374
95% Approximate Gamma UCL	1.732						
95% Adjusted Gamma UCL	1.756						
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL					2.674

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	107	Number of Detected Data	85
Number of Distinct Detected Data	84	Number of Non-Detect Data	22
Number of Missing Values	30	Percent Non-Detects	20.56%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.737	Minimum Detected	0.552
Maximum Detected	50001	Maximum Detected	10.82
Mean of Detected	2499	Mean of Detected	5.591
SD of Detected	7587	SD of Detected	2.198
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	430	Maximum Non-Detect	6.064
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	76
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	31
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	71.03%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.371	Lilliefors Test Statistic	0.0555
5% Lilliefors Critical Value	0.0961	5% Lilliefors Critical Value	0.0961
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1991	Mean	4.59
SD	6828	SD	2.928
95% DL/2 (t) UCL	3086	95% H-Stat (DL/2) UCL	25709
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.678
		SD in Log Scale	2.721
		Mean in Original Scale	1987
		SD in Original Scale	6829
		95% t UCL	3082
		95% Percentile Bootstrap UCL	3224
		95% BCA Bootstrap UCL	3580
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.305	**Data appear Lognormal at 5% Significance Level**	
Theta Star	8203		

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nu star	51.78		
A-D Test Statistic	4.732	**Nonparametric Statistics**	
5% A-D Critical Value	0.865	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.865	Mean	1988
5% K-S Critical Value	0.105	SD	6797
Data not Gamma Distributed at 5% Significance Level		SE of Mean	661
		95% KM (t) UCL	3085
Assuming Gamma Distribution		95% KM (z) UCL	3075
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3083
Minimum	1E-12	95% KM (bootstrap t) UCL	4108
Maximum	50001	95% KM (BCA) UCL	3323
Mean	1985	95% KM (Percentile Bootstrap) UCL	3125
Median	130	95% KM (Chebyshev) UCL	4869
SD	6829	97.5% KM (Chebyshev) UCL	6116
k star	0.0964	99% KM (Chebyshev) UCL	8565
Theta star	20586		
Nu star	20.64	**Potential UCLs to Use**	
AppChi2	11.32	97.5% KM (Chebyshev) UCL	6116
95% Gamma Approximate UCL	3618		
95% Adjusted Gamma UCL	3649		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	25	Number of Detected Data	19
Number of Distinct Detected Data	9	Number of Non-Detect Data	6
Number of Missing Values	106	Percent Non-Detects	24.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.4	Minimum Detected	-0.916
Maximum Detected	4	Maximum Detected	1.386
Mean of Detected	1.111	Mean of Detected	-0.0555
SD of Detected	0.816	SD of Detected	0.534
Minimum Non-Detect	0.3	Minimum Non-Detect	-1.204
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.647	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.12	Mean	-0.0586
SD	0.743	SD	0.618
95% DL/2 (t) UCL	1.374	95% H-Stat (DL/2) UCL	1.482
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.124
		SD in Log Scale	0.522
		Mean in Original Scale	1.026
		SD in Original Scale	0.731
		95% t UCL	1.276
		95% Percentile Bootstrap UCL	1.283
		95% BCA Bootstrap UCL	1.389
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.794	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.398		

nu star	106.2		
A-D Test Statistic	1.386	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	1.044
5% K-S Critical Value	0.2	SD	0.734
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.157
		95% KM (t) UCL	1.313
Assuming Gamma Distribution		95% KM (z) UCL	1.303
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.309
Minimum	1E-12	95% KM (bootstrap t) UCL	1.492
Maximum	4	95% KM (BCA) UCL	1.355
Mean	1.085	95% KM (Percentile Bootstrap) UCL	1.317
Median	1	95% KM (Chebyshev) UCL	1.729
SD	0.743	97.5% KM (Chebyshev) UCL	2.025
k star	0.492	99% KM (Chebyshev) UCL	2.607
Theta star	2.206		
Nu star	24.59	**Potential UCLs to Use**	
AppChi2	14.3	95% KM (BCA) UCL	1.355
95% Gamma Approximate UCL	1.865		
95% Adjusted Gamma UCL	1.938		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	22
Number of Distinct Detected Data	15	Number of Non-Detect Data	10
Number of Missing Values	105	Percent Non-Detects	31.25%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	6	Maximum Detected	1.792
Mean of Detected	3.105	Mean of Detected	1.011
SD of Detected	1.435	SD of Detected	0.543
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	20
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	12
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	62.50%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.956	Shapiro Wilk Test Statistic	0.933
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911

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Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.556	Mean	0.775
SD	1.453	SD	0.603
95% DL/2 (t) UCL	2.992	95% H-Stat (DL/2) UCL	3.238
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.431	Mean in Log Scale	0.814
SD	1.706	SD in Log Scale	0.57
95% MLE (t) UCL	2.943	Mean in Original Scale	2.618
95% MLE (Tiku) UCL	3.188	SD in Original Scale	1.42
		95% t UCL	3.043
		95% Percentile Bootstrap UCL	3.032
		95% BCA Bootstrap UCL	3.054
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.714	**Data appear Normal at 5% Significance Level**	
Theta Star	0.836		
nu star	163.4		
A-D Test Statistic	0.303	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	2.616
5% K-S Critical Value	0.186	SD	1.428
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.272
		95% KM (t) UCL	3.076
Assuming Gamma Distribution		95% KM (z) UCL	3.063
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.066
Minimum	0.6	95% KM (bootstrap t) UCL	3.086
Maximum	6	95% KM (BCA) UCL	3.115
Mean	2.998	95% KM (Percentile Bootstrap) UCL	3.081
Median	2.99	95% KM (Chebyshev) UCL	3.8
SD	1.295	97.5% KM (Chebyshev) UCL	4.313
k star	4.534	99% KM (Chebyshev) UCL	5.32
Theta star	0.661		
Nu star	290.2	**Potential UCLs to Use**	
AppChi2	251.7	95% KM (t) UCL	3.076
95% Gamma Approximate UCL	3.456	95% KM (Percentile Bootstrap) UCL	3.081
95% Adjusted Gamma UCL	3.483		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

PROUCL OUTPUT - BLOCK F SURFACE SOIL

Number of Valid Data	32	Number of Detected Data	14
Number of Distinct Detected Data	10	Number of Non-Detect Data	18
Number of Missing Values	105	Percent Non-Detects	56.25%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.3	Minimum Detected	-1.204
Maximum Detected	4.5	Maximum Detected	1.504
Mean of Detected	1.386	Mean of Detected	-0.105
SD of Detected	1.373	SD of Detected	0.948
Minimum Non-Detect	0.09	Minimum Non-Detect	-2.408
Maximum Non-Detect	4	Maximum Non-Detect	1.386
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	31
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.88%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.784	Shapiro Wilk Test Statistic	0.892
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.078	Mean	-0.566
SD	1.069	SD	1.337
95% DL/2 (t) UCL	1.398	95% H-Stat (DL/2) UCL	2.76
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.972
		SD in Log Scale	1.112
		Mean in Original Scale	0.74
		SD in Original Scale	1.067
		95% t UCL	1.06
		95% Percentile Bootstrap UCL	1.068
		95% BCA Bootstrap UCL	1.174
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.07	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.295		
nu star	29.96		
A-D Test Statistic	0.833	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	0.864
5% K-S Critical Value	0.234	SD	1.037
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.201
		95% KM (t) UCL	1.205
Assuming Gamma Distribution		95% KM (z) UCL	1.195
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.2
Minimum	1E-12	95% KM (bootstrap t) UCL	1.361

Maximum	4.5	95% KM (BCA) UCL	1.173
Mean	1.399	95% KM (Percentile Bootstrap) UCL	1.211
Median	0.83	95% KM (Chebyshev) UCL	1.741
SD	1.196	97.5% KM (Chebyshev) UCL	2.12
k star	0.469	99% KM (Chebyshev) UCL	2.865
Theta star	2.984		
Nu star	30	**Potential UCLs to Use**	
AppChi2	18.49	95% KM (t) UCL	1.205
95% Gamma Approximate UCL	2.269	95% KM (% Bootstrap) UCL	1.211
95% Adjusted Gamma UCL	2.33		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	25	Number of Non-Detect Data	7
Number of Missing Values	105	Percent Non-Detects	21.88%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	3.2	Minimum Detected	1.163
Maximum Detected	447	Maximum Detected	6.103
Mean of Detected	74.61	Mean of Detected	3.511
SD of Detected	113.8	SD of Detected	1.331
Minimum Non-Detect	3	Minimum Non-Detect	1.099
Maximum Non-Detect	8	Maximum Non-Detect	2.079
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	12
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	20
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	37.50%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.583	Shapiro Wilk Test Statistic	0.957
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	58.93	Mean	2.969
SD	104.6	SD	1.573
95% DL/2 (t) UCL	90.28	95% H-Stat (DL/2) UCL	165.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	19.61	Mean in Log Scale	2.967
SD	141.8	SD in Log Scale	1.593

95% MLE (t) UCL	62.12	Mean in Original Scale	58.99
95% MLE (Tiku) UCL	66.37	SD in Original Scale	104.5
		95% t UCL	90.33
		95% Percentile Bootstrap UCL	90.65
		95% BCA Bootstrap UCL	102.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.684	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	109		
nu star	34.22		
A-D Test Statistic	0.737	**Nonparametric Statistics**	
5% A-D Critical Value	0.784	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.784	Mean	59.17
5% K-S Critical Value	0.181	SD	102.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	18.55
		95% KM (t) UCL	90.61
Assuming Gamma Distribution		95% KM (z) UCL	89.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	90.36
Minimum	1E-12	95% KM (bootstrap t) UCL	142.9
Maximum	447	95% KM (BCA) UCL	89.73
Mean	58.74	95% KM (Percentile Bootstrap) UCL	91.42
Median	25	95% KM (Chebyshev) UCL	140
SD	104.7	97.5% KM (Chebyshev) UCL	175
k star	0.132	99% KM (Chebyshev) UCL	243.7
Theta star	444.1		
Nu star	8.465	**Potential UCLs to Use**	
AppChi2	3.007	95% KM (Chebyshev) UCL	140
95% Gamma Approximate UCL	165.3		
95% Adjusted Gamma UCL	175.4		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	47	Number of Detected Data	39
Number of Distinct Detected Data	32	Number of Non-Detect Data	8
Number of Missing Values	90	Percent Non-Detects	17.02%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	2.7	Maximum Detected	0.993
Mean of Detected	0.542	Mean of Detected	-1.47
SD of Detected	0.673	SD of Detected	1.476
Minimum Non-Detect	0.02	Minimum Non-Detect	-3.912
Maximum Non-Detect	0.16	Maximum Non-Detect	-1.833

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Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	48.94%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.761	Shapiro Wilk Test Statistic	0.961
5% Shapiro Wilk Critical Value	0.939	5% Shapiro Wilk Critical Value	0.939
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.459	Mean	-1.74
SD	0.64	SD	1.492
95% DL/2 (t) UCL	0.616	95% H-Stat (DL/2) UCL	1.013
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.116	Mean in Log Scale	-1.779
SD	0.989	SD in Log Scale	1.537
95% MLE (t) UCL	0.358	Mean in Original Scale	0.458
95% MLE (Tiku) UCL	0.411	SD in Original Scale	0.64
		95% t UCL	0.615
		95% Percentile Bootstrap UCL	0.622
		95% BCA Bootstrap UCL	0.645
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.667	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.814		
nu star	51.99		
A-D Test Statistic	0.505	**Nonparametric Statistics**	
5% A-D Critical Value	0.793	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.793	Mean	0.457
5% K-S Critical Value	0.147	SD	0.634
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0937
		95% KM (t) UCL	0.615
Assuming Gamma Distribution		95% KM (z) UCL	0.611
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.614
Minimum	1E-12	95% KM (bootstrap t) UCL	0.657
Maximum	2.7	95% KM (BCA) UCL	0.618
Mean	0.463	95% KM (Percentile Bootstrap) UCL	0.604
Median	0.21	95% KM (Chebyshev) UCL	0.866
SD	0.638	97.5% KM (Chebyshev) UCL	1.042
k star	0.277	99% KM (Chebyshev) UCL	1.39
Theta star	1.67		
Nu star	26.06	**Potential UCLs to Use**	
AppChi2	15.42	95% KM (Chebyshev) UCL	0.866
95% Gamma Approximate UCL	0.782		
95% Adjusted Gamma UCL	0.795		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	20	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	19
Number of Missing Values	80	Percent Non-Detects	95.00%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable MOLYBDENUM was not processed!

NICKEL

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	18	Number of Non-Detect Data	7
Number of Missing Values	105	Percent Non-Detects	21.88%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	4.5	Minimum Detected	1.504
Maximum Detected	27	Maximum Detected	3.296
Mean of Detected	12.13	Mean of Detected	2.385
SD of Detected	5.807	SD of Detected	0.489
Minimum Non-Detect	5	Minimum Non-Detect	1.609
Maximum Non-Detect	9	Maximum Non-Detect	2.197
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	15
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	17
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	46.88%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.928	Shapiro Wilk Test Statistic	0.965
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10.23	Mean	2.129
SD	6.291	SD	0.661
95% DL/2 (t) UCL	12.11	95% H-Stat (DL/2) UCL	13.36

Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.367	Mean in Log Scale	2.22
SD	7.454	SD in Log Scale	0.54
95% MLE (t) UCL	11.6	Mean in Original Scale	10.61
95% MLE (Tiku) UCL	12.03	SD in Original Scale	5.899
		95% t UCL	12.38
		95% Percentile Bootstrap UCL	12.32
		95% BCA Bootstrap UCL	12.52
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.14	**Data appear Normal at 5% Significance Level**	
Theta Star	2.931		
nu star	207		
A-D Test Statistic	0.274	**Nonparametric Statistics**	
5% A-D Critical Value	0.748	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.748	Mean	10.57
5% K-S Critical Value	0.175	SD	5.843
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.057
		95% KM (t) UCL	12.36
Assuming Gamma Distribution		95% KM (z) UCL	12.31
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	12.36
Minimum	3.848	95% KM (bootstrap t) UCL	12.72
Maximum	27	95% KM (BCA) UCL	12.58
Mean	11.07	95% KM (Percentile Bootstrap) UCL	12.38
Median	9.819	95% KM (Chebyshev) UCL	15.18
SD	5.614	97.5% KM (Chebyshev) UCL	17.17
k star	3.952	99% KM (Chebyshev) UCL	21.08
Theta star	2.801		
Nu star	252.9	**Potential UCLs to Use**	
AppChi2	217.1	95% KM (t) UCL	12.36
95% Gamma Approximate UCL	12.89	95% KM (Percentile Bootstrap) UCL	12.38
95% Adjusted Gamma UCL	13		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	59	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	58
Number of Missing Values	78	Percent Non-Detects	98.31%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

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General Statistics			
Number of Valid Data	59	Number of Detected Data	12
Number of Distinct Detected Data	12	Number of Non-Detect Data	47
Number of Missing Values	78	Percent Non-Detects	79.66%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	22	Minimum Detected	3.091
Maximum Detected	1400	Maximum Detected	7.244
Mean of Detected	305.4	Mean of Detected	4.844
SD of Detected	439.6	SD of Detected	1.357
Minimum Non-Detect	18	Minimum Non-Detect	2.89
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	56
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	94.92%

UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.677	Shapiro Wilk Test Statistic	0.913
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	95.86	Mean	3.534
SD	224.5	SD	1.218
95% DL/2 (t) UCL	144.7	95% H-Stat (DL/2) UCL	111.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.761
		SD in Log Scale	1.989
		Mean in Original Scale	66
		SD in Original Scale	227.1
		95% t UCL	115.4
		95% Percentile Bootstrap UCL	120.4
		95% BCA Bootstrap UCL	142.6
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.573	**Data appear Lognormal at 5% Significance Level**	
Theta Star	532.8		
nu star	13.76		
A-D Test Statistic	0.911	**Nonparametric Statistics**	
5% A-D Critical Value	0.77	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.77	Mean	82.13
5% K-S Critical Value	0.256	SD	221.1
Data not Gamma Distributed at 5% Significance Level		SE of Mean	30.13
		95% KM (t) UCL	132.5
Assuming Gamma Distribution		95% KM (z) UCL	131.7

Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	127
Minimum	1E-12	95% KM (bootstrap t) UCL	170
Maximum	1400	95% KM (BCA) UCL	156.3
Mean	327.5	95% KM (Percentile Bootstrap) UCL	139.4
Median	221.2	95% KM (Chebyshev) UCL	213.4
SD	312.1	97.5% KM (Chebyshev) UCL	270.3
k star	0.199	99% KM (Chebyshev) UCL	381.9
Theta star	1646		
Nu star	23.49	**Potential UCLs to Use**	
AppChi2	13.46	95% KM (BCA) UCL	156.3
95% Gamma Approximate UCL	571.6		
95% Adjusted Gamma UCL	579.8		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	5
Number of Distinct Detected Data	5	Number of Non-Detect Data	8
Number of Missing Values	124	Percent Non-Detects	61.54%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	13000	Minimum Detected	9.473
Maximum Detected	271000	Maximum Detected	12.51
Mean of Detected	111340	Mean of Detected	11.19
SD of Detected	102126	SD of Detected	1.151
Minimum Non-Detect	10000	Minimum Non-Detect	9.21
Maximum Non-Detect	17000	Maximum Non-Detect	9.741
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	69.23%

Warning: There are only 5 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.904	Shapiro Wilk Test Statistic	0.962
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

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Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	46592	Mean	9.662
SD	79471	SD	1.426
95% DL/2 (t) UCL	85876	95% H-Stat (DL/2) UCL	193957
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	150522	Mean in Log Scale	8.935
SD	86067	SD in Log Scale	2.051
95% MLE (t) UCL	193066	Mean in Original Scale	44240
95% MLE (Tiku) UCL	225228	SD in Original Scale	80786
		95% t UCL	84174
		95% Percentile Bootstrap UCL	82406
		95% BCA Bootstrap UCL	97660
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.653	**Data appear Normal at 5% Significance Level**	
Theta Star	170578		
nu star	6.527		
A-D Test Statistic	0.206	**Nonparametric Statistics**	
5% A-D Critical Value	0.688	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.688	Mean	50823
5% K-S Critical Value	0.363	SD	74149
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	22993
		95% KM (t) UCL	91802
Assuming Gamma Distribution		95% KM (z) UCL	88643
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	89160
Minimum	13000	95% KM (bootstrap t) UCL	126327
Maximum	271000	95% KM (BCA) UCL	159308
Mean	108350	95% KM (Percentile Bootstrap) UCL	120462
Median	108280	95% KM (Chebyshev) UCL	151045
SD	59903	97.5% KM (Chebyshev) UCL	194412
k star	2.423	99% KM (Chebyshev) UCL	279596
Theta star	44719		
Nu star	63	**Potential UCLs to Use**	
AppChi2	45.74	95% KM (t) UCL	91802
95% Gamma Approximate UCL	149233	95% KM (Percentile Bootstrap) UCL	120462
95% Adjusted Gamma UCL	156377		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	12

PROUCL OUTPUT - BLOCK F SURFACE SOIL

Number of Missing Values	124	Percent Non-Detects	92.31%
Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!			
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable GASOLINE RANGE ORGANICS was not processed!			

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	20	Number of Distinct Observations	19
Number of Missing Values	80		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.8	Minimum of Log Data	1.03
Maximum	11.7	Maximum of Log Data	2.46
Mean	6.14	Mean of log Data	1.76
Median	5.85	SD of log Data	0.345
SD	2.1		
Coefficient of Variation	0.342		
Skewness	0.842		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.947	Shapiro Wilk Test Statistic	0.977
Shapiro Wilk Critical Value	0.905	Shapiro Wilk Critical Value	0.905
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	6.952	95% H-UCL	7.156
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	8.248
95% Adjusted-CLT UCL (Chen-1995)	7.007	97.5% Chebyshev (MVUE) UCL	9.158
95% Modified-t UCL (Johnson-1978)	6.967	99% Chebyshev (MVUE) UCL	10.94
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.882	**Data appear Normal at 5% Significance Level**	
Theta Star	0.779		
MLE of Mean	6.14		
MLE of Standard Deviation	2.187		
nu star	315.3		
Approximate Chi Square Value (.05)	275.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.038	95% CLT UCL	6.912
Adjusted Chi Square Value	272.2	95% Jackknife UCL	6.952
		95% Standard Bootstrap UCL	6.882
Anderson-Darling Test Statistic	0.258	95% Bootstrap-t UCL	7.042
Anderson-Darling 5% Critical Value	0.742	95% Hall's Bootstrap UCL	7.149
Kolmogorov-Smirnov Test Statistic	0.0932	95% Percentile Bootstrap UCL	6.89
Kolmogorov-Smirnov 5% Critical Value	0.194	95% BCA Bootstrap UCL	6.975
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	8.187
		97.5% Chebyshev(Mean, Sd) UCL	9.072

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	10.81
95% Approximate Gamma UCL	7.036		
95% Adjusted Gamma UCL	7.112		
Potential UCL to Use		Use 95% Student's-t UCL	6.952

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	20	Number of Distinct Observations	19
Number of Missing Values	80		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.3	Minimum of Log Data	3.011
Maximum	49	Maximum of Log Data	3.892
Mean	31.8	Mean of log Data	3.428
Median	30.45	SD of log Data	0.257
SD	8.293		
Coefficient of Variation	0.261		
Skewness	0.58		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.948	Shapiro Wilk Test Statistic	0.97
Shapiro Wilk Critical Value	0.905	Shapiro Wilk Critical Value	0.905
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	35.01	95% H-UCL	35.47
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	39.85
95% Adjusted-CLT UCL (Chen-1995)	35.11	97.5% Chebyshev (MVUE) UCL	43.34
95% Modified-t UCL (Johnson-1978)	35.05	99% Chebyshev (MVUE) UCL	50.19
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	13.62	**Data appear Normal at 5% Significance Level**	
Theta Star	2.334		
MLE of Mean	31.8		
MLE of Standard Deviation	8.616		
nu star	544.9		
Approximate Chi Square Value (.05)	491.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.038	95% CLT UCL	34.85
Adjusted Chi Square Value	487.8	95% Jackknife UCL	35.01
		95% Standard Bootstrap UCL	34.75
Anderson-Darling Test Statistic	0.23	95% Bootstrap-t UCL	35.54
Anderson-Darling 5% Critical Value	0.741	95% Hall's Bootstrap UCL	35.18
Kolmogorov-Smirnov Test Statistic	0.107	95% Percentile Bootstrap UCL	34.74

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Kolmogorov-Smirnov 5% Critical Value	0.194	95% BCA Bootstrap UCL	35.1
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	39.88
		97.5% Chebyshev(Mean, Sd) UCL	43.38
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	50.25
95% Approximate Gamma UCL	35.24		
95% Adjusted Gamma UCL	35.52		
Potential UCL to Use		Use 95% Student's-t UCL	35.01

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	13
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.56	Minimum of Log Data	-0.58
Maximum	2.4	Maximum of Log Data	0.875
Mean	1.061	Mean of log Data	-0.0329
Median	0.97	SD of log Data	0.43
SD	0.515		
Coefficient of Variation	0.485		
Skewness	1.531		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.851	Shapiro Wilk Test Statistic	0.946
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.304	95% H-UCL	1.347
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.593
95% Adjusted-CLT UCL (Chen-1995)	1.347	97.5% Chebyshev (MVUE) UCL	1.826
95% Modified-t UCL (Johnson-1978)	1.314	99% Chebyshev (MVUE) UCL	2.284
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.451	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.238		
MLE of Mean	1.061		
MLE of Standard Deviation	0.503		
nu star	124.6		
Approximate Chi Square Value (.05)	99.86	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	1.287
Adjusted Chi Square Value	96.92	95% Jackknife UCL	1.304
		95% Standard Bootstrap UCL	1.28
Anderson-Darling Test Statistic	0.407	95% Bootstrap-t UCL	1.431
Anderson-Darling 5% Critical Value	0.738	95% Hall's Bootstrap UCL	1.489
Kolmogorov-Smirnov Test Statistic	0.168	95% Percentile Bootstrap UCL	1.292
Kolmogorov-Smirnov 5% Critical Value	0.229	95% BCA Bootstrap UCL	1.333
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.66
		97.5% Chebyshev(Mean, Sd) UCL	1.92

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Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	2.43
95% Approximate Gamma UCL	1.324		
95% Adjusted Gamma UCL	1.364		
Potential UCL to Use		Use 95% Approximate Gamma UCL	1.324

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	236	Number of Detected Data	195
Number of Distinct Detected Data	191	Number of Non-Detect Data	41
Number of Missing Values	16	Percent Non-Detects	17.37%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.625	Minimum Detected	0.485
Maximum Detected	38666	Maximum Detected	10.56
Mean of Detected	1769	Mean of Detected	5.046
SD of Detected	6085	SD of Detected	2.082
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	2100	Maximum Non-Detect	7.65
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	214
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.68%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.386	Lilliefors Test Statistic	0.0696
5% Lilliefors Critical Value	0.0634	5% Lilliefors Critical Value	0.0634
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1468	Mean	4.286
SD	5568	SD	2.625
95% DL/2 (t) UCL	2067	95% H-Stat (DL/2) UCL	4458
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.315
		SD in Log Scale	2.529
		Mean in Original Scale	1463
		SD in Original Scale	5569
		95% t UCL	2061
		95% Percentile Bootstrap UCL	2095
		95% BCA Bootstrap UCL	2281
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.285	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	6212		

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nu star	111.1		
A-D Test Statistic	17.02	**Nonparametric Statistics**	
5% A-D Critical Value	0.875	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.875	Mean	1464
5% K-S Critical Value	0.0707	SD	5557
Data not Gamma Distributed at 5% Significance Level		SE of Mean	362.6
		95% KM (t) UCL	2063
Assuming Gamma Distribution		95% KM (z) UCL	2060
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2062
Minimum	1E-12	95% KM (bootstrap t) UCL	2304
Maximum	38666	95% KM (BCA) UCL	2043
Mean	1463	95% KM (Percentile Bootstrap) UCL	2091
Median	71.49	95% KM (Chebyshev) UCL	3045
SD	5569	97.5% KM (Chebyshev) UCL	3729
k star	0.105	99% KM (Chebyshev) UCL	5072
Theta star	13880		
Nu star	49.76	**Potential UCLs to Use**	
AppChi2	34.56	97.5% KM (Chebyshev) UCL	3729
95% Gamma Approximate UCL	2106		
95% Adjusted Gamma UCL	2111		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK G.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	14	Number of Detected Data	7
Number of Distinct Detected Data	6	Number of Non-Detect Data	7
Number of Missing Values	237	Percent Non-Detects	50.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	3.9	Maximum Detected	1.361
Mean of Detected	1.443	Mean of Detected	0.154
SD of Detected	1.176	SD of Detected	0.654
Minimum Non-Detect	2.5	Minimum Non-Detect	0.916
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	13
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.86%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.732	Shapiro Wilk Test Statistic	0.877
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.396	Mean	0.226
SD	0.805	SD	0.454
95% DL/2 (t) UCL	1.777	95% H-Stat (DL/2) UCL	1.788
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.0714
		SD in Log Scale	0.475
		Mean in Original Scale	1.225
		SD in Original Scale	0.843

		95% t UCL	1.624
		95% Percentile Bootstrap UCL	1.615
		95% BCA Bootstrap UCL	1.829
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.53	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	0.943		
nu star	21.42		
A-D Test Statistic	0.642	**Nonparametric Statistics**	
5% A-D Critical Value	0.714	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.714	Mean	1.238
5% K-S Critical Value	0.314	SD	0.86
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.284
		95% KM (t) UCL	1.74
Assuming Gamma Distribution		95% KM (z) UCL	1.705
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.744
Minimum	0.6	95% KM (bootstrap t) UCL	3.109
Maximum	3.9	95% KM (BCA) UCL	1.764
Mean	1.452	95% KM (Percentile Bootstrap) UCL	1.72
Median	1.421	95% KM (Chebyshev) UCL	2.474
SD	0.8	97.5% KM (Chebyshev) UCL	3.009
k star	3.862	99% KM (Chebyshev) UCL	4.06
Theta star	0.376		
Nu star	108.1	**Potential UCLs to Use**	
AppChi2	85.13	95% KM (t) UCL	1.74
95% Gamma Approximate UCL	1.844		
95% Adjusted Gamma UCL	1.904		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	27
Number of Distinct Detected Data	25	Number of Non-Detect Data	5
Number of Missing Values	219	Percent Non-Detects	15.63%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.8	Minimum Detected	-0.223
Maximum Detected	37	Maximum Detected	3.611
Mean of Detected	3.403	Mean of Detected	0.71
SD of Detected	6.822	SD of Detected	0.792
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	25

PROUCL OUTPUT - BLOCK G SURFACE SOIL

For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.13%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.338	Shapiro Wilk Test Statistic	0.844
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.027	Mean	0.59
SD	6.311	SD	0.791
95% DL/2 (t) UCL	4.919	95% H-Stat (DL/2) UCL	3.374
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.621
		SD in Log Scale	0.764
		Mean in Original Scale	3.058
		SD in Original Scale	6.301
		95% t UCL	4.947
		95% Percentile Bootstrap UCL	5.199
		95% BCA Bootstrap UCL	6.55
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.011	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.367		
nu star	54.57		
A-D Test Statistic	2.693	**Nonparametric Statistics**	
5% A-D Critical Value	0.771	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.771	Mean	3.06
5% K-S Critical Value	0.173	SD	6.202
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1.118
		95% KM (t) UCL	4.956
Assuming Gamma Distribution		95% KM (z) UCL	4.899
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.95
Minimum	1E-12	95% KM (bootstrap t) UCL	11.31
Maximum	37	95% KM (BCA) UCL	5.394
Mean	3.13	95% KM (Percentile Bootstrap) UCL	5.163
Median	1.85	95% KM (Chebyshev) UCL	7.932
SD	6.309	97.5% KM (Chebyshev) UCL	10.04
k star	0.306	99% KM (Chebyshev) UCL	14.18
Theta star	10.24		
Nu star	19.56	**Potential UCLs to Use**	
AppChi2	10.53	95% KM (Chebyshev) UCL	7.932
95% Gamma Approximate UCL	5.816		
95% Adjusted Gamma UCL	6.019		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	14	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	12
Number of Missing Values	237	Percent Non-Detects	85.71%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.7	Minimum Detected	1.74
Maximum Detected	14	Maximum Detected	2.639
Mean of Detected	9.85	Mean of Detected	2.19
SD of Detected	5.869	SD of Detected	0.635
Minimum Non-Detect	0.1	Minimum Non-Detect	-2.303
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	12
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	85.71%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.029	Mean	-0.614
SD	3.743	SD	1.814
95% DL/2 (t) UCL	3.8	95% H-Stat (DL/2) UCL	24.38
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A

		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	6.293
5% K-S Critical Value	N/A	SD	2.138
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.808
		95% KM (t) UCL	7.724
Assuming Gamma Distribution		95% KM (z) UCL	7.622
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	11.9
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	14
Mean	N/A	95% KM (Percentile Bootstrap) UCL	14
Median	N/A	95% KM (Chebyshev) UCL	9.815
SD	N/A	97.5% KM (Chebyshev) UCL	11.34
k star	N/A	99% KM (Chebyshev) UCL	14.33
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	7.724
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	14
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	14	Number of Detected Data	11
Number of Distinct Detected Data	7	Number of Non-Detect Data	3
Number of Missing Values	237	Percent Non-Detects	21.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.02	Minimum Detected	-3.912
Maximum Detected	4.2	Maximum Detected	1.435
Mean of Detected	0.6	Mean of Detected	-2.262
SD of Detected	1.261	SD of Detected	1.95
Minimum Non-Detect	0.1	Minimum Non-Detect	-2.303

PROUCL OUTPUT - BLOCK G SURFACE SOIL

Maximum Non-Detect	0.11	Maximum Non-Detect	-2.207
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	5
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	64.29%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.54	Shapiro Wilk Test Statistic	0.825
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.483	Mean	-2.406
SD	1.131	SD	1.734
95% DL/2 (t) UCL	1.018	95% H-Stat (DL/2) UCL	2.974
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-2.533
		SD in Log Scale	1.808
		Mean in Original Scale	0.479
		SD in Original Scale	1.132
		95% t UCL	1.015
		95% Percentile Bootstrap UCL	1.022
		95% BCA Bootstrap UCL	1.343
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.336	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	1.784		
nu star	7.398		
A-D Test Statistic	1.086	**Nonparametric Statistics**	
5% A-D Critical Value	0.805	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.805	Mean	0.476
5% K-S Critical Value	0.273	SD	1.092
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.306
		95% KM (t) UCL	1.019
Assuming Gamma Distribution		95% KM (z) UCL	0.98
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.013
Minimum	1E-12	95% KM (bootstrap t) UCL	4.214
Maximum	4.2	95% KM (BCA) UCL	1.045
Mean	0.496	95% KM (Percentile Bootstrap) UCL	1.018
Median	0.03	95% KM (Chebyshev) UCL	1.811
SD	1.128	97.5% KM (Chebyshev) UCL	2.388
k star	0.208	99% KM (Chebyshev) UCL	3.522
Theta star	2.389		
Nu star	5.814	**Potential UCLs to Use**	
AppChi2	1.545	95% KM (Chebyshev) UCL	1.811
95% Gamma Approximate UCL	1.866		
95% Adjusted Gamma UCL	2.264		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	6	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	6
Number of Missing Values	150	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable MOLYBDENUM was not processed!

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	22	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	21
Number of Missing Values	229	Percent Non-Detects	95.45%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	229	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.2	Minimum Detected	2.104
Maximum Detected	1190	Maximum Detected	7.082
Mean of Detected	323.2	Mean of Detected	4.474
SD of Detected	419.2	SD of Detected	2.006
Minimum Non-Detect	36	Minimum Non-Detect	3.584
Maximum Non-Detect	330	Maximum Non-Detect	5.799
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	18
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.82%

PROUCL OUTPUT - BLOCK G SURFACE SOIL

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.796	Shapiro Wilk Test Statistic	0.867
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	178.2	Mean	4.122
SD	291.1	SD	1.508
95% DL/2 (t) UCL	285	95% H-Stat (DL/2) UCL	580.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.485
		SD in Log Scale	1.558
		Mean in Original Scale	143.4
		SD in Original Scale	300.8
		95% t UCL	253.8
		95% Percentile Bootstrap UCL	248.9
		95% BCA Bootstrap UCL	286.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.4	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	808.5		
nu star	7.197		
A-D Test Statistic	0.532	**Nonparametric Statistics**	
5% A-D Critical Value	0.773	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.773	Mean	141.7
5% K-S Critical Value	0.294	SD	294.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	66.77
		95% KM (t) UCL	256.6
Assuming Gamma Distribution		95% KM (z) UCL	251.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	252.6
Minimum	8.2	95% KM (bootstrap t) UCL	382
Maximum	1190	95% KM (BCA) UCL	260
Mean	321.8	95% KM (Percentile Bootstrap) UCL	259.6
Median	321	95% KM (Chebyshev) UCL	432.7
SD	259.7	97.5% KM (Chebyshev) UCL	558.7
k star	0.953	99% KM (Chebyshev) UCL	806
Theta star	337.6		
Nu star	41.94	**Potential UCLs to Use**	
AppChi2	28.1	95% KM (t) UCL	256.6
95% Gamma Approximate UCL	480.4		

95% Adjusted Gamma UCL	495.3		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	15	Number of Detected Data	10
Number of Distinct Detected Data	9	Number of Non-Detect Data	5
Number of Missing Values	236	Percent Non-Detects	33.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	12000	Minimum Detected	9.393
Maximum Detected	163000	Maximum Detected	12
Mean of Detected	72200	Mean of Detected	10.79
SD of Detected	57588	SD of Detected	1.012
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	33.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.872	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.842	5% Shapiro Wilk Critical Value	0.842
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	50100	Mean	10.09
SD	56379	SD	1.312
95% DL/2 (t) UCL	75739	95% H-Stat (DL/2) UCL	179362
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	35562	Mean in Log Scale	9.967
SD	72044	SD in Log Scale	1.486
95% MLE (t) UCL	68326	Mean in Original Scale	49644
95% MLE (Tiku) UCL	70786	SD in Original Scale	56776
		95% t UCL	75464
		95% Percentile Bootstrap UCL	73707
		95% BCA Bootstrap UCL	76939
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.057	**Data appear Normal at 5% Significance Level**	
Theta Star	68275		

nu star	21.15		
A-D Test Statistic	0.522	**Nonparametric Statistics**	
5% A-D Critical Value	0.741	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.741	Mean	52133
5% K-S Critical Value	0.272	SD	52869
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	14389
		95% KM (t) UCL	77477
Assuming Gamma Distribution		95% KM (z) UCL	75801
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	77021
Minimum	1E-12	95% KM (bootstrap t) UCL	84659
Maximum	163000	95% KM (BCA) UCL	77427
Mean	56263	95% KM (Percentile Bootstrap) UCL	76387
Median	32200	95% KM (Chebyshev) UCL	114855
SD	52780	97.5% KM (Chebyshev) UCL	141994
k star	0.243	99% KM (Chebyshev) UCL	195304
Theta star	231268		
Nu star	7.298	**Potential UCLs to Use**	
AppChi2	2.336	95% KM (t) UCL	77477
95% Gamma Approximate UCL	175800	95% KM (Percentile Bootstrap) UCL	76387
95% Adjusted Gamma UCL	204774		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	19	Number of Detected Data	7
Number of Distinct Detected Data	7	Number of Non-Detect Data	12
Number of Missing Values	232	Percent Non-Detects	63.16%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	31	Minimum Detected	3.434
Maximum Detected	810000	Maximum Detected	13.6
Mean of Detected	142206	Mean of Detected	7.388
SD of Detected	301017	SD of Detected	4.323
Minimum Non-Detect	110	Minimum Non-Detect	4.7
Maximum Non-Detect	12500	Maximum Non-Detect	9.433
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	84.21%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

PROUCL OUTPUT - BLOCK G SURFACE SOIL

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.574	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	54121	Mean	6.728
SD	187046	SD	3.143
95% DL/2 (t) UCL	128532	95% H-Stat (DL/2) UCL	12812689
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	5.161
		SD in Log Scale	3.194
		Mean in Original Scale	52444
		SD in Original Scale	187523
		95% t UCL	127045
		95% Percentile Bootstrap UCL	136914
		95% BCA Bootstrap UCL	181137
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.192	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	742012		
nu star	2.683		
A-D Test Statistic	0.604	**Nonparametric Statistics**	
5% A-D Critical Value	0.833	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.833	Mean	52423
5% K-S Critical Value	0.344	SD	182527
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	45230
		95% KM (t) UCL	130855
Assuming Gamma Distribution		95% KM (z) UCL	126820
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	127026
Minimum	31	95% KM (bootstrap t) UCL	2833725
Maximum	810000	95% KM (BCA) UCL	137681
Mean	143350	95% KM (Percentile Bootstrap) UCL	136892
Median	141400	95% KM (Chebyshev) UCL	249576
SD	174219	97.5% KM (Chebyshev) UCL	334883
k star	0.371	99% KM (Chebyshev) UCL	502454
Theta star	386732		
Nu star	14.09	**Potential UCLs to Use**	
AppChi2	6.63	95% KM (t) UCL	130855
95% Gamma Approximate UCL	304552		
95% Adjusted Gamma UCL	326385		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	6	Number of Distinct Observations	6
Number of Missing Values	150		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.2	Minimum of Log Data	1.163
Maximum	51.2	Maximum of Log Data	3.936
Mean	15.13	Mean of log Data	2.27
Median	7.4	SD of log Data	0.964
SD	18.17		
Coefficient of Variation	1.201		
Skewness	2.175		

Warning: A sample size of 'n' = 6 may not adequate enough to compute meaningful and reliable test statistics and estimates!

It is suggested to collect at least 8 to 10 observations using these statistical methods!

If possible compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Warning: There are only 6 Values in this data

Note: It should be noted that even though bootstrap methods may be performed on this data set,

the resulting calculations may not be reliable enough to draw conclusions

The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.689	Shapiro Wilk Test Statistic	0.921
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	30.08	95% H-UCL	86.11
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	37.62
95% Adjusted-CLT UCL (Chen-1995)	34.37	97.5% Chebyshev (MVUE) UCL	47.85
95% Modified-t UCL (Johnson-1978)	31.18	99% Chebyshev (MVUE) UCL	67.95
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.741	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	20.43		

MLE of Mean	15.13		
MLE of Standard Deviation	17.59		
nu star	8.887		
Approximate Chi Square Value (.05)	3.259	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	27.33
Adjusted Chi Square Value	2.157	95% Jackknife UCL	30.08
		95% Standard Bootstrap UCL	26.17
Anderson-Darling Test Statistic	0.552	95% Bootstrap-t UCL	107.6
Anderson-Darling 5% Critical Value	0.711	95% Hall's Bootstrap UCL	136.5
Kolmogorov-Smirnov Test Statistic	0.315	95% Percentile Bootstrap UCL	28.3
Kolmogorov-Smirnov 5% Critical Value	0.339	95% BCA Bootstrap UCL	30.77
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.46
		97.5% Chebyshev(Mean, Sd) UCL	61.45
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	88.93
95% Approximate Gamma UCL	41.27		
95% Adjusted Gamma UCL	62.35		
Potential UCL to Use		Use 95% Approximate Gamma UCL	41.27

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	13
Number of Missing Values	237		

Raw Statistics		**Log-transformed Statistics**	
Minimum	4	Minimum of Log Data	1.386
Maximum	340	Maximum of Log Data	5.829
Mean	68.25	Mean of log Data	3.26
Median	28	SD of log Data	1.505
SD	97.41		
Coefficient of Variation	1.427		
Skewness	2.077		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.709	Shapiro Wilk Test Statistic	0.917
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	114.4	95% H-UCL	378.9
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	208.2
95% Adjusted-CLT UCL (Chen-1995)	126.5	97.5% Chebyshev (MVUE) UCL	268.1
95% Modified-t UCL (Johnson-1978)	116.8	99% Chebyshev (MVUE) UCL	385.6

Gamma Distribution Test		Data Distribution	
k star (bias corrected)	0.547	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	124.7		
MLE of Mean	68.25		
MLE of Standard Deviation	92.26		
nu star	15.32		
Approximate Chi Square Value (.05)	7.485	Nonparametric Statistics	
Adjusted Level of Significance	0.0312	95% CLT UCL	111.1
Adjusted Chi Square Value	6.77	95% Jackknife UCL	114.4
		95% Standard Bootstrap UCL	109.8
Anderson-Darling Test Statistic	0.608	95% Bootstrap-t UCL	172.5
Anderson-Darling 5% Critical Value	0.781	95% Hall's Bootstrap UCL	298.8
Kolmogorov-Smirnov Test Statistic	0.222	95% Percentile Bootstrap UCL	112.1
Kolmogorov-Smirnov 5% Critical Value	0.239	95% BCA Bootstrap UCL	128.9
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	181.7
		97.5% Chebyshev(Mean, Sd) UCL	230.8
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	327.3
95% Approximate Gamma UCL	139.7		
95% Adjusted Gamma UCL	154.5		
Potential UCL to Use		Use 95% Approximate Gamma UCL	139.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	12
Number of Missing Values	237		

Raw Statistics		Log-transformed Statistics	
Minimum	5	Minimum of Log Data	1.609
Maximum	280	Maximum of Log Data	5.635
Mean	49.28	Mean of log Data	2.84
Median	12.5	SD of log Data	1.239
SD	95.75		
Coefficient of Variation	1.943		
Skewness	2.287		

Relevant UCL Statistics

Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.474	Shapiro Wilk Test Statistic	0.726
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	94.6	95% H-UCL	111.1
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	88.15

95% Adjusted-CLT UCL (Chen-1995)	108.1	97.5% Chebyshev (MVUE) UCL	111.6
95% Modified-t UCL (Johnson-1978)	97.2	99% Chebyshev (MVUE) UCL	157.8
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.508	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	96.93		
MLE of Mean	49.28		
MLE of Standard Deviation	69.11		
nu star	14.24		
Approximate Chi Square Value (.05)	6.733	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	91.37
Adjusted Chi Square Value	6.06	95% Jackknife UCL	94.6
		95% Standard Bootstrap UCL	90.58
Anderson-Darling Test Statistic	2.645	95% Bootstrap-t UCL	882.9
Anderson-Darling 5% Critical Value	0.785	95% Hall's Bootstrap UCL	452.6
Kolmogorov-Smirnov Test Statistic	0.403	95% Percentile Bootstrap UCL	88.93
Kolmogorov-Smirnov 5% Critical Value	0.24	95% BCA Bootstrap UCL	106.4
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	160.8
		97.5% Chebyshev(Mean, Sd) UCL	209.1
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	303.9
95% Approximate Gamma UCL	104.2		
95% Adjusted Gamma UCL	115.8		
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL	160.8

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	6	Number of Distinct Observations	6
Number of Missing Values	150		
Raw Statistics		**Log-transformed Statistics**	
Minimum	20.2	Minimum of Log Data	3.006
Maximum	39.2	Maximum of Log Data	3.669
Mean	25.73	Mean of log Data	3.221
Median	23.95	SD of log Data	0.244
SD	7.043		
Coefficient of Variation	0.274		
Skewness	1.817		

Warning: A sample size of 'n' = 6 may not adequate enough to compute meaningful and reliable test statistics and estimates!

It is suggested to collect at least 8 to 10 observations using these statistical methods!

If possible compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

Warning: There are only 6 Values in this data

Note: It should be noted that even though bootstrap methods may be performed on this data set, the resulting calculations may not be reliable enough to draw conclusions

The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.792	Shapiro Wilk Test Statistic	0.851
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	31.53	95% H-UCL	32.57
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	36.82
95% Adjusted-CLT UCL (Chen-1995)	32.74	97.5% Chebyshev (MVUE) UCL	41.63
95% Modified-t UCL (Johnson-1978)	31.88	99% Chebyshev (MVUE) UCL	51.1
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	9.553	**Data appear Normal at 5% Significance Level**	
Theta Star	2.694		
MLE of Mean	25.73		
MLE of Standard Deviation	8.326		
nu star	114.6		
Approximate Chi Square Value (.05)	90.92	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	30.46
Adjusted Chi Square Value	83.3	95% Jackknife UCL	31.53
		95% Standard Bootstrap UCL	30.13
Anderson-Darling Test Statistic	0.539	95% Bootstrap-t UCL	37.99
Anderson-Darling 5% Critical Value	0.697	95% Hall's Bootstrap UCL	47.96
Kolmogorov-Smirnov Test Statistic	0.272	95% Percentile Bootstrap UCL	30.7
Kolmogorov-Smirnov 5% Critical Value	0.332	95% BCA Bootstrap UCL	32.03
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	38.27
		97.5% Chebyshev(Mean, Sd) UCL	43.69
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	54.34
95% Approximate Gamma UCL	32.45		
95% Adjusted Gamma UCL	35.41		
Potential UCL to Use		Use 95% Student's-t UCL	31.53

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.39	Minimum of Log Data	-0.942
Maximum	1.535	Maximum of Log Data	0.429
Mean	0.788	Mean of log Data	-0.349
Median	0.585	SD of log Data	0.487
SD	0.402		
Coefficient of Variation	0.51		
Skewness	0.805		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.832	Shapiro Wilk Test Statistic	0.875
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.008	95% H-UCL	1.107
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.296
95% Adjusted-CLT UCL (Chen-1995)	1.019	97.5% Chebyshev (MVUE) UCL	1.518
95% Modified-t UCL (Johnson-1978)	1.013	99% Chebyshev (MVUE) UCL	1.953
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.439	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.229		
MLE of Mean	0.788		
MLE of Standard Deviation	0.425		
nu star	75.67		
Approximate Chi Square Value (.05)	56.63	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	0.988
Adjusted Chi Square Value	53.95	95% Jackknife UCL	1.008
		95% Standard Bootstrap UCL	0.976
Anderson-Darling Test Statistic	0.799	95% Bootstrap-t UCL	1.055
Anderson-Darling 5% Critical Value	0.732	95% Hall's Bootstrap UCL	0.961
Kolmogorov-Smirnov Test Statistic	0.287	95% Percentile Bootstrap UCL	0.987
Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	1.001
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.317
		97.5% Chebyshev(Mean, Sd) UCL	1.545

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.994
95% Approximate Gamma UCL	1.053		
95% Adjusted Gamma UCL	1.105		
Potential UCL to Use		Use 95% Student's-t UCL	1.008
		or 95% Modified-t UCL	1.013
		or 95% H-UCL	1.107

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	55	Number of Detected Data	33
Number of Distinct Detected Data	32	Number of Non-Detect Data	22
Number of Missing Values	12	Percent Non-Detects	40.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	9	Minimum Detected	2.197
Maximum Detected	45883	Maximum Detected	10.73
Mean of Detected	2871	Mean of Detected	4.472
SD of Detected	9472	SD of Detected	2.212
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	400	Maximum Non-Detect	5.991
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	48
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	87.27%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.349	Shapiro Wilk Test Statistic	0.804
5% Shapiro Wilk Critical Value	0.931	5% Shapiro Wilk Critical Value	0.931
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1744	Mean	3.291
SD	7424	SD	2.723
95% DL/2 (t) UCL	3419	95% H-Stat (DL/2) UCL	6677
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.857
		SD in Log Scale	2.815
		Mean in Original Scale	1725
		SD in Original Scale	7428
		95% t UCL	3401
		95% Percentile Bootstrap UCL	3462
		95% BCA Bootstrap UCL	4244
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.211	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	13639		

PROUCL OUTPUT - BLOCK H SURFACE SOIL

nu star	13.89		
A-D Test Statistic	6.126	**Nonparametric Statistics**	
5% A-D Critical Value	0.895	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.895	Mean	1729
5% K-S Critical Value	0.169	SD	7359
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1008
		95% KM (t) UCL	3416
Assuming Gamma Distribution		95% KM (z) UCL	3387
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3405
Minimum	1E-12	95% KM (bootstrap t) UCL	71220
Maximum	45883	95% KM (BCA) UCL	3436
Mean	2269	95% KM (Percentile Bootstrap) UCL	3429
Median	24	95% KM (Chebyshev) UCL	6122
SD	7819	97.5% KM (Chebyshev) UCL	8022
k star	0.0721	99% KM (Chebyshev) UCL	11756
Theta star	31492		
Nu star	7.926	**Potential UCLs to Use**	
AppChi2	2.692	99% KM (Chebyshev) UCL	11756
95% Gamma Approximate UCL	6680		
95% Adjusted Gamma UCL	6889		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK H.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	10	Number of Detected Data	4
Number of Distinct Detected Data	3	Number of Non-Detect Data	6
Number of Missing Values	29	Percent Non-Detects	60.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	1	Maximum Detected	0
Mean of Detected	0.875	Mean of Detected	-0.154
SD of Detected	0.189	SD of Detected	0.243
Minimum Non-Detect	0.34	Minimum Non-Detect	-1.079
Maximum Non-Detect	0.71	Maximum Non-Detect	-0.342
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	70.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.791	Shapiro Wilk Test Statistic	0.768
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.479	Mean	-1.007
SD	0.362	SD	0.775
95% DL/2 (t) UCL	0.688	95% H-Stat (DL/2) UCL	0.981
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.967	Mean in Log Scale	-0.551
SD	0.0471	SD in Log Scale	0.37

95% MLE (t) UCL	0.994	Mean in Original Scale	0.615
95% MLE (Tiku) UCL	1.017	SD in Original Scale	0.249
		95% t UCL	0.76
		95% Percentile Bootstrap UCL	0.744
		95% BCA Bootstrap UCL	0.771
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	6.301	**Data appear Normal at 5% Significance Level**	
Theta Star	0.139		
nu star	50.41		
A-D Test Statistic	0.605	**Nonparametric Statistics**	
5% A-D Critical Value	0.657	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.657	Mean	0.71
5% K-S Critical Value	0.394	SD	0.17
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0621
		95% KM (t) UCL	0.824
Assuming Gamma Distribution		95% KM (z) UCL	0.812
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.897
Minimum	1E-12	95% KM (bootstrap t) UCL	0.76
Maximum	1	95% KM (BCA) UCL	1
Mean	0.35	95% KM (Percentile Bootstrap) UCL	1
Median	1E-12	95% KM (Chebyshev) UCL	0.981
SD	0.465	97.5% KM (Chebyshev) UCL	1.098
k star	0.106	99% KM (Chebyshev) UCL	1.328
Theta star	3.315		
Nu star	2.112	**Potential UCLs to Use**	
AppChi2	0.167	95% KM (t) UCL	0.824
95% Gamma Approximate UCL	4.434	95% KM (Percentile Bootstrap) UCL	1
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	11	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	5
Number of Missing Values	28	Percent Non-Detects	45.45%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.7	Minimum Detected	-0.357
Maximum Detected	6.1	Maximum Detected	1.808
Mean of Detected	2.917	Mean of Detected	0.745
SD of Detected	2.472	SD of Detected	0.899
Minimum Non-Detect	0.7	Minimum Non-Detect	-0.357
Maximum Non-Detect	4.8	Maximum Non-Detect	1.569

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.82%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.787	Shapiro Wilk Test Statistic	0.901
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.114	Mean	0.374
SD	2.041	SD	0.898
95% DL/2 (t) UCL	3.229	95% H-Stat (DL/2) UCL	4.832
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.197
		SD in Log Scale	0.951
		Mean in Original Scale	1.904
		SD in Original Scale	2.106
		95% t UCL	3.055
		95% Percentile Bootstrap UCL	2.916
		95% BCA Bootstrap UCL	3.234
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.952	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	3.064		
nu star	11.42		
A-D Test Statistic	0.469	**Nonparametric Statistics**	
5% A-D Critical Value	0.706	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.706	Mean	2.021
5% K-S Critical Value	0.337	SD	1.953
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.653
		95% KM (t) UCL	3.204
Assuming Gamma Distribution		95% KM (z) UCL	3.095
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.13
Minimum	0.585	95% KM (bootstrap t) UCL	4.851
Maximum	6.1	95% KM (BCA) UCL	3.482
Mean	2.735	95% KM (Percentile Bootstrap) UCL	3.282
Median	2.242	95% KM (Chebyshev) UCL	4.866
SD	1.913	97.5% KM (Chebyshev) UCL	6.097

k star	1.599	99% KM (Chebyshev) UCL	8.515
Theta star	1.71		
Nu star	35.18	**Potential UCLs to Use**	
AppChi2	22.61	95% KM (BCA) UCL	3.482
95% Gamma Approximate UCL	4.255		
95% Adjusted Gamma UCL	4.586		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	11	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	7
Number of Missing Values	28	Percent Non-Detects	63.64%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	0.5	Maximum Detected	-0.693
Mean of Detected	0.213	Mean of Detected	-1.881
SD of Detected	0.201	SD of Detected	0.937
Minimum Non-Detect	0.03	Minimum Non-Detect	-3.507
Maximum Non-Detect	0.42	Maximum Non-Detect	-0.868
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	10
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.91%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.85	Shapiro Wilk Test Statistic	0.962
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.123	Mean	-2.735
SD	0.147	SD	1.21
95% DL/2 (t) UCL	0.203	95% H-Stat (DL/2) UCL	0.499

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.241
		SD in Log Scale	1.268
		Mean in Original Scale	0.0901
		SD in Original Scale	0.147
		95% t UCL	0.17
		95% Percentile Bootstrap UCL	0.165
		95% BCA Bootstrap UCL	0.211
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.58	**Data appear Normal at 5% Significance Level**	
Theta Star	0.367		
nu star	4.638		
A-D Test Statistic	0.3	**Nonparametric Statistics**	
5% A-D Critical Value	0.662	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.662	Mean	0.119
5% K-S Critical Value	0.399	SD	0.128
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0452
		95% KM (t) UCL	0.201
Assuming Gamma Distribution		95% KM (z) UCL	0.194
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.188
Minimum	0.016	95% KM (bootstrap t) UCL	0.251
Maximum	0.551	95% KM (BCA) UCL	0.5
Mean	0.283	95% KM (Percentile Bootstrap) UCL	0.255
Median	0.2	95% KM (Chebyshev) UCL	0.317
SD	0.2	97.5% KM (Chebyshev) UCL	0.402
k star	1.111	99% KM (Chebyshev) UCL	0.57
Theta star	0.255		
Nu star	24.44	**Potential UCLs to Use**	
AppChi2	14.18	95% KM (t) UCL	0.201
95% Gamma Approximate UCL	0.488	95% KM (Percentile Bootstrap) UCL	0.255
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	48	Number of Detected Data	25
Number of Distinct Detected Data	20	Number of Non-Detect Data	23
Number of Missing Values	18	Percent Non-Detects	47.92%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	1.14	Maximum Detected	0.131
Mean of Detected	0.128	Mean of Detected	-2.975

PROUCL OUTPUT - BLOCK H SURFACE SOIL

SD of Detected	0.244	SD of Detected	1.215
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.021	Maximum Non-Detect	-3.863
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	27
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	21
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	56.25%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.507	Shapiro Wilk Test Statistic	0.887
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0709	Mean	-3.805
SD	0.185	SD	1.239
95% DL/2 (t) UCL	0.116	95% H-Stat (DL/2) UCL	0.0768
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.26
		SD in Log Scale	1.735
		Mean in Original Scale	0.0689
		SD in Original Scale	0.185
		95% t UCL	0.114
		95% Percentile Bootstrap UCL	0.116
		95% BCA Bootstrap UCL	0.139
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.611	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.209		
nu star	30.54		
A-D Test Statistic	2.472	**Nonparametric Statistics**	
5% A-D Critical Value	0.792	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.792	Mean	0.0713
5% K-S Critical Value	0.182	SD	0.183
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0269
		95% KM (t) UCL	0.116
Assuming Gamma Distribution		95% KM (z) UCL	0.116
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.116
Minimum	0.01	95% KM (bootstrap t) UCL	0.171
Maximum	1.14	95% KM (BCA) UCL	0.129
Mean	0.124	95% KM (Percentile Bootstrap) UCL	0.118
Median	0.0613	95% KM (Chebyshev) UCL	0.189
SD	0.181	97.5% KM (Chebyshev) UCL	0.239
k star	0.966	99% KM (Chebyshev) UCL	0.339
Theta star	0.129		
Nu star	92.7	**Potential UCLs to Use**	
AppChi2	71.5	95% KM (Chebyshev) UCL	0.189

95% Gamma Approximate UCL	0.161		
95% Adjusted Gamma UCL	0.162		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	11	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	5
Number of Missing Values	28	Percent Non-Detects	45.45%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.2	Minimum Detected	-1.609
Maximum Detected	0.55	Maximum Detected	-0.598
Mean of Detected	0.385	Mean of Detected	-1.012
SD of Detected	0.138	SD of Detected	0.382
Minimum Non-Detect	0.4	Minimum Non-Detect	-0.916
Maximum Non-Detect	0.9	Maximum Non-Detect	-0.105
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.935
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.346	Mean	-1.116
SD	0.122	SD	0.35
95% DL/2 (t) UCL	0.413	95% H-Stat (DL/2) UCL	0.435
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.065
		SD in Log Scale	0.291
		Mean in Original Scale	0.359

		SD in Original Scale	0.107
		95% t UCL	0.417
		95% Percentile Bootstrap UCL	0.41
		95% BCA Bootstrap UCL	0.416
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.519	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0852		
nu star	54.22		
A-D Test Statistic	0.281	**Nonparametric Statistics**	
5% A-D Critical Value	0.698	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.698	Mean	0.365
5% K-S Critical Value	0.333	SD	0.119
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0487
		95% KM (t) UCL	0.453
Assuming Gamma Distribution		95% KM (z) UCL	0.445
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.456
Minimum	0.2	95% KM (bootstrap t) UCL	0.471
Maximum	0.55	95% KM (BCA) UCL	0.44
Mean	0.401	95% KM (Percentile Bootstrap) UCL	0.444
Median	0.393	95% KM (Chebyshev) UCL	0.577
SD	0.104	97.5% KM (Chebyshev) UCL	0.669
k star	10.6	99% KM (Chebyshev) UCL	0.85
Theta star	0.0378		
Nu star	233.2	**Potential UCLs to Use**	
AppChi2	198.9	95% KM (t) UCL	0.453
95% Gamma Approximate UCL	0.47	95% KM (Percentile Bootstrap) UCL	0.444
95% Adjusted Gamma UCL	0.482		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	11	Number of Detected Data	0

Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	11	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	9
Number of Missing Values	28	Percent Non-Detects	81.82%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	3200	Minimum Detected	8.071
Maximum Detected	12000	Maximum Detected	9.393
Mean of Detected	7600	Mean of Detected	8.732
SD of Detected	6223	SD of Detected	0.935
Minimum Non-Detect	2600	Minimum Non-Detect	7.863
Maximum Non-Detect	13300	Maximum Non-Detect	9.496
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

PROUCL OUTPUT - BLOCK H SURFACE SOIL

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3710	Mean	7.925
SD	3310	SD	0.771
95% DL/2 (t) UCL	5519	95% H-Stat (DL/2) UCL	6990
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	4080
5% K-S Critical Value	N/A	SD	2640
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1181
		95% KM (t) UCL	6220
Assuming Gamma Distribution		95% KM (z) UCL	6022
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	10131
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	12000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	9226
SD	N/A	97.5% KM (Chebyshev) UCL	11453
k star	N/A	99% KM (Chebyshev) UCL	15827
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	6220
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.8	Minimum of Log Data	1.03
Maximum	19.7	Maximum of Log Data	2.981
Mean	6.5	Mean of log Data	1.706
Median	5.4	SD of log Data	0.562
SD	4.752		
Coefficient of Variation	0.731		
Skewness	2.46		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.711	Shapiro Wilk Test Statistic	0.924
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	9.097	95% H-UCL	9.638
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	11.16
95% Adjusted-CLT UCL (Chen-1995)	9.992	97.5% Chebyshev (MVUE) UCL	13.24
95% Modified-t UCL (Johnson-1978)	9.274	99% Chebyshev (MVUE) UCL	17.33
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.362	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2.752		
MLE of Mean	6.5		
MLE of Standard Deviation	4.229		
nu star	51.97		
Approximate Chi Square Value (.05)	36.41	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	8.857
Adjusted Chi Square Value	34.3	95% Jackknife UCL	9.097
		95% Standard Bootstrap UCL	8.77
Anderson-Darling Test Statistic	0.515	95% Bootstrap-t UCL	12.36
Anderson-Darling 5% Critical Value	0.733	95% Hall's Bootstrap UCL	18.81
Kolmogorov-Smirnov Test Statistic	0.156	95% Percentile Bootstrap UCL	8.927
Kolmogorov-Smirnov 5% Critical Value	0.257	95% BCA Bootstrap UCL	9.9
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	12.75
		97.5% Chebyshev(Mean, Sd) UCL	15.45

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	20.76
95% Approximate Gamma UCL	9.277		
95% Adjusted Gamma UCL	9.849		
Potential UCL to Use		Use 95% Approximate Gamma UCL	9.277

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	10
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.4	Minimum of Log Data	1.224
Maximum	18	Maximum of Log Data	2.89
Mean	6.809	Mean of log Data	1.817
Median	6	SD of log Data	0.434
SD	3.936		
Coefficient of Variation	0.578		
Skewness	2.654		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.671	Shapiro Wilk Test Statistic	0.878
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	8.96	95% H-UCL	9.009
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	10.58
95% Adjusted-CLT UCL (Chen-1995)	9.776	97.5% Chebyshev (MVUE) UCL	12.26
95% Modified-t UCL (Johnson-1978)	9.118	99% Chebyshev (MVUE) UCL	15.56
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.764	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.809		
MLE of Mean	6.809		
MLE of Standard Deviation	3.509		
nu star	82.82		
Approximate Chi Square Value (.05)	62.84	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	8.761
Adjusted Chi Square Value	60.01	95% Jackknife UCL	8.96
		95% Standard Bootstrap UCL	8.676
Anderson-Darling Test Statistic	0.794	95% Bootstrap-t UCL	11.61
Anderson-Darling 5% Critical Value	0.731	95% Hall's Bootstrap UCL	16.97
Kolmogorov-Smirnov Test Statistic	0.265	95% Percentile Bootstrap UCL	8.945

Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	9.518
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	11.98
		97.5% Chebyshev(Mean, Sd) UCL	14.22
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.62
95% Approximate Gamma UCL	8.973		
95% Adjusted Gamma UCL	9.396		
Potential UCL to Use		Use 95% Student's-t UCL	8.96
		or 95% Modified-t UCL	9.118
		or 95% H-UCL	9.009

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	10
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.1	Minimum of Log Data	1.629
Maximum	15	Maximum of Log Data	2.708
Mean	9.145	Mean of log Data	2.161
Median	8.1	SD of log Data	0.338
SD	3.129		
Coefficient of Variation	0.342		
Skewness	0.624		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.942	Shapiro Wilk Test Statistic	0.971
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	10.86	95% H-UCL	11.37
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.25
95% Adjusted-CLT UCL (Chen-1995)	10.89	97.5% Chebyshev (MVUE) UCL	15.03
95% Modified-t UCL (Johnson-1978)	10.88	99% Chebyshev (MVUE) UCL	18.52
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.144	**Data appear Normal at 5% Significance Level**	
Theta Star	1.28		

MLE of Mean	9.145		
MLE of Standard Deviation	3.422		
nu star	157.2		
Approximate Chi Square Value (.05)	129.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	10.7
Adjusted Chi Square Value	125.1	95% Jackknife UCL	10.86
		95% Standard Bootstrap UCL	10.62
Anderson-Darling Test Statistic	0.246	95% Bootstrap-t UCL	11.25
Anderson-Darling 5% Critical Value	0.729	95% Hall's Bootstrap UCL	10.83
Kolmogorov-Smirnov Test Statistic	0.149	95% Percentile Bootstrap UCL	10.7
Kolmogorov-Smirnov 5% Critical Value	0.255	95% BCA Bootstrap UCL	10.75
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.26
		97.5% Chebyshev(Mean, Sd) UCL	15.04
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.53
95% Approximate Gamma UCL	11.13		
95% Adjusted Gamma UCL	11.49		
Potential UCL to Use		Use 95% Student's-t UCL	10.86

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	13.1	Minimum of Log Data	2.573
Maximum	37.9	Maximum of Log Data	3.635
Mean	21.7	Mean of log Data	3.008
Median	18.7	SD of log Data	0.379
SD	8.987		
Coefficient of Variation	0.414		
Skewness	1.018		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.813	Shapiro Wilk Test Statistic	0.872
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	26.61	95% H-UCL	27.76
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	32.51
95% Adjusted-CLT UCL (Chen-1995)	27.05	97.5% Chebyshev (MVUE) UCL	37.23
95% Modified-t UCL (Johnson-1978)	26.75	99% Chebyshev (MVUE) UCL	46.51

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Gamma Distribution Test		Data Distribution	
k star (bias corrected)	5.414	Data Follow Appr. Gamma Distribution at 5% Significance Level	
Theta Star	4.008		
MLE of Mean	21.7		
MLE of Standard Deviation	9.326		
nu star	119.1		
Approximate Chi Square Value (.05)	94.92	Nonparametric Statistics	
Adjusted Level of Significance	0.0278	95% CLT UCL	26.16
Adjusted Chi Square Value	91.4	95% Jackknife UCL	26.61
		95% Standard Bootstrap UCL	25.92
Anderson-Darling Test Statistic	0.771	95% Bootstrap-t UCL	27.87
Anderson-Darling 5% Critical Value	0.73	95% Hall's Bootstrap UCL	25.58
Kolmogorov-Smirnov Test Statistic	0.244	95% Percentile Bootstrap UCL	26.26
Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	26.76
Data follow Appr. Gamma Distribution at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	33.51
		97.5% Chebyshev(Mean, Sd) UCL	38.62
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	48.66
95% Approximate Gamma UCL	27.23		
95% Adjusted Gamma UCL	28.28		
Potential UCL to Use		Use 95% Approximate Gamma UCL	27.23

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Observations	4	Number of Distinct Observations	4
Number of Missing Values	28		

Warning: This data set only has 4 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable DIESEL RANGE ORGANICS was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

APPENDIX D-3

SAMPLE CALCULATIONS

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from incidental ingestion of surface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT}$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)
RfDo	=	oral noncarcinogenic reference dose (mg/kg/day)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1
HQ (Noncarcinogens) = Intake (mg/kg/day) / RFDo (mg/kg/day)

ASSUMPTIONS:

Cs	=	36	mg/kg	Chemical: Aroclor-1254
IR	=	480	mg/day	
EF	=	250	days/year	
ED	=	1	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	70	kg	
ATc	=	25550	days	
ATnc	=	365	days	
CSFo	=	2.0E+00	$(mg/kg/day)^{-1}$	
RfDo	=	2.0E-05	(mg/kg/day)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEXc = \frac{36\ mg/kg \times 480\ mg/day \times 250\ days/year \times 1\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{70\ kg \times 25550\ days}$$

IEXc = 2.42E-06 mg/kg/day

ILCR = 2.42E-06 mg/kg/day x 2.00E+00 (mg/kg/day)-1 = Incremental Lifetime Cancer Risk

ILCR = 4.8E-06

EXAMPLE NONCARCINOGENIC CALCULATION

$$IEXnc = \frac{36\ mg/kg \times 480\ mg/day \times 250\ days/year \times 1\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{70\ kg \times 365\ days}$$

IEXnc = 1.69E-04 mg/kg/day

HQ = 1.69E-04 mg/kg/day / 2.00E-05 (mg/kg/day) = Hazard Quotient

HQ = 8.5E+00

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from dermal contact with surface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT}$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)
RfDd	=	dermal noncarcinogenic reference dose (mg/kg/day)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1
HQ (Noncarcinogens) = Intake (mg/kg/day) / RFDd (mg/kg/day)

ASSUMPTIONS:

Cs	=	36	mg/kg	Chemical: Aroclor-1254
CF	=	1.0E-06	kg/mg	
SA	=	3280	cm^2/day	
AF	=	0.3	mg/cm^2	
ABS	=	0.14		
EF	=	250	days/year	
ED	=	1	years	
BW	=	70	kg	
ATc	=	25550	days	
ATnc	=	365	days	
CSFd	=	2.0E+00	$(mg/kg/day)^{-1}$	
RfDd	=	2.0E-05	(mg/kg/day)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{36\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 3280\ cm2/day \times 0.3\ mg/cm2 \times 0.14 \times 250\ days/year \times 1\ years}{70\ kg \times 25550\ days}$$

DEXc = 6.93E-07 mg/kg/day

ILCR = 6.93E-07 mg/kg/day x 2.00E+00 (mg/kg/day)-1 = Incremental Lifetime Cancer Risk

ILCR = 1.4E-06

EXAMPLE NONCARCINOGENIC CALCULATION

$$DEXnc = \frac{36\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 3280\ cm2/day \times 0.3\ mg/cm2 \times 0.14 \times 250\ days/year \times 1\ years}{70\ kg \times 365\ days}$$

DEXnc = 4.85E-05 mg/kg/day

HQ = 4.85E-05 mg/kg/day / 2.00E-05 (mg/kg/day) = Hazard Quotient

HQ = 2.4E+00

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF PARTICUALATE EMISSION FACTOR FOR CONSTRUCTION WORKERS		
BASED ON: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA, December 2002)		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

Equation 5-5
Derivation of the Particulate Emission Factor
Construction Scenario - Construction Worker

$$PEF_{sc} = Q/C_{sr} \times \frac{1}{F_D} \times \left[\frac{T \times A_R}{556 \times (W/3)^{0.4} \times \frac{(365d/yr - p)}{365d/yr} \times \Sigma VKT} \right]$$

Parameter/Definition (units)	Default
PEF_{sc}/subchronic road particulate emission factor (m^3/kg)	site-specific
Q/C_{sr}/ inverse of the ratio of the 1-h geometric mean air concentration to the emission flux along a straight road segment bisecting a square site (g/m^2-s per kg/m^3)	23.02[a] (Equation 5-6)
F_D/dispersion correction factor (unitless)	0.185 (Appendix E)
T/total time over which construction occurs (s)	site-specific
A_R/surface area of contaminated road segment (m^2) L_R/length of road segment (ft) W_R/width of road segment (ft)	274.213 ($A_R = L_R \times W_R \times 0.092903 m^2/ft^2$)
W/mean vehicle weight (tons)	site-specific
p/number of days with at least 0.01 inches of precipitation (days/year)	site-specific (Exhibit 5-2)
ΣVKT/sum of fleet vehicle kilometers traveled during the exposure duration (km)	site-specific

[a] Assumes a 0.5 acre site

Calculation of PEF for Construction Workers

Q/C	23.02	$(g/m^2$-s per $kg/m^3)$	
Fd	0.185	dispersion correction factor (unitless)	
T	7.20E+06	sec	3600 sec/hr x 8hr/day x 250 days/yr
Area (A)	274.213	m^2	
W	8	tons	
p	140	day/year	
VKT	337.5	km	30 vehicles x 0.045 km/day x 250 days

PEF = 1.43E+06 m^3/kg

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGITIVE DUST EMISSIONS CONSTRUCTION WORKERS		
BASED ON: USEPA, JANUARY 2009		
BY: L.CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from inhalation of subsurface soil at Block F.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day}$$

Where:

EC	=	exposure concentration (mg/m^3)
Ca	=	exposure point concentration in air (mg/m^3)
	=	Cs x [1/PEF + 1/VF]
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m^3/kg)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
AT	=	averaging time (hours)
IURi	=	inhalation unit risk ($(ug/m^3)^{-1}$)
RfCi	=	inhalation reference concentration (mg/m^3)

RISKS:

ILCR (Carcinogens) = Exposure Concentration (mg/m^3) x IURi $(ug/m^3)^{-1}$ x 1000 ug/mg

HQ (Noncarcinogens) = Exposure Concentration (mg/m^3) / RfCi (mg/m^3)

ASSUMPTIONS:

Cs	=	159	mg/kg	Chemical: Naphthalene
PEF	=	1.43E+06	m3/kg	
VF	=	5.42E+02	m3/kg	
Ca	=	2.94E-01	mg/m3	
ET	=	8	hours	
EF	=	250	days/year	
ED	=	1	years	
ATc	=	25550	days	
ATnc	=	365	days	
IURi	=	3.4E-05	$(ug/m3)^{-1}$	
RfCi	=	3.0E-03	(mg/m3)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGITIVE DUST EMISSIONS CONSTRUCTION WORKERS		
BASED ON: USEPA, JANUARY 2009		
BY: L.CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$ECc = \frac{2.94E\text{-}01 \text{ mg/m3} \times 8 \text{ hours} \times 250 \text{ days/year} \times 1 \text{ years}}{25550 \text{ days} \times 24 \text{ hours/day}}$$

ECc = 9.59E-04 mg/m3

ILCR = 9.59E-04 mg/m3 x 3.40E-05 (ug/m3)-1 x 1000 ug/mg = Incremental Lifetime Cancer Risk

ILCR = 3.3E-05

EXAMPLE NONCARCINOGENIC CALCULATION

$$ECnc = \frac{2.94E\text{-}01 \text{ mg/m3} \times 8 \text{ hours} \times 250 \text{ days/year} \times 1 \text{ years}}{365 \text{ days} \times 24 \text{ hours/day}}$$

ECnc = 6.71E-02 mg/m3

HQ = 6.71E-02 mg/m3 / 3.00E-03 (mg/m3) = Hazard Quotient

HQ **2.2E+01**

CALCULATION WORKSHEET

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from incidental ingestion of subsurface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT} \times ADAF$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
IR	=	200	mg/day	
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	15	kg	
AT	=	25550	days	
CSFo	=	7.3E+00	$(mg/kg/day)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEX_1 = \frac{1.7\ mg/kg \times 200\ mg/day \times 350\ days/year \times 2\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{15\ kg \times 25550\ days} \times 10$$

IEX_1 = 6.21E-06 mg/kg/day

$$IEX_2 = \frac{1.7\ mg/kg \times 200\ mg/day \times 350\ days/year \times 4\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{15\ kg \times 25550\ days} \times 3$$

IEX_2 = 3.73E-06 mg/kg/day

ILCR = (6.21E-06 mg/kg/day + 3.73E-06 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 7.3E-05

CALCULATION WORKSHEET

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from dermal contact with subsurface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT} \times ADAF$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
CF	=	1.0E-06	kg/mg	
SA	=	2800	cm^2/day	
AF	=	0.2	mg/cm^2	
ABS	=	0.13		
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
BW	=	15	kg	
AT	=	25550	days	
CSFd	=	7.3E+00	$(mg/kg/day)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 2800\ cm2/day \times 0.2\ mg/cm2 \times 0.13 \times 350\ days/year \times 2\ years}{15\ kg \times 25550\ days} \times 10$$

DEXc = 2.26E-06 mg/kg/day

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 2800\ cm2/day \times 0.2\ mg/cm2 \times 0.13 \times 350\ days/year \times 4\ years}{15\ kg \times 25550\ days} \times 3$$

DEXc = 1.36E-06 mg/kg/day

ILCR = (2.26E-06 mg/kg/day + 1.36E-06 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 2.6E-05

CALCULATION WORKSHEET

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS EXPOSED TO SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from incidental ingestion of subsurface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT} \times ADAF$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
IR	=	100	mg/day	
EF	=	350	days/year	
ED	=	12	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	70	kg	
AT	=	25550	days	
CSFo	=	7.3E+00	$(mg/kg/day)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS EXPOSED TO SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEX_2 = \frac{1.7 \text{ mg/kg} \times 100 \text{ mg/day} \times 350 \text{ days/year} \times 12 \text{ years} \times 1 \times 1.0E\text{-}06 \text{ kg/mg}}{70 \text{ kg} \times 25550 \text{ days}} \times 1$$

IEX_2 = 3.99E-07 mg/kg/day

ILCR = (0.00E+00 mg/kg/day + 3.99E-07 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 2.9E-06

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL ADULT RESIDENTS EXPOSED TO FUTURE SURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from dermal contact with subsurface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT} \times ADAF$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
CF	=	1.0E-06	kg/mg	
SA	=	5700	cm^2/day	
AF	=	0.07	mg/cm^2	
ABS	=	0.13		
EF	=	350	days/year	
ED	=	12	years	
BW	=	70	kg	
AT	=	25550	days	
CSFd	=	7.3E+00	$(mg/kg/day)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL ADULT RESIDENTS EXPOSED TO FUTURE SURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 5700\ cm2/day \times 0.07\ mg/cm2 \times 0.13 \times 350\ days/year \times 12\ years}{70\ kg \times 25550\ days} \times 1$$

DEXc = 2.07E-07 mg/kg/day

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 5700\ cm2/day \times 0.07\ mg/cm2 \times 0.13 \times 350\ days/year \times 0\ years}{70\ kg \times 25550\ days} \times 1$$

DEXc = 0.00E+00 mg/kg/day

ILCR = (2.07E-07 mg/kg/day + 0.00E+00 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 1.5E-06

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 03214
SUBJECT: ESTIMATION OF AMBIENT AIR CONCENTRATIONS RESULTING FROM FUGITIVE DUST EMISSIONS AND VOLATILIZATION FROM SOIL FOR CONSTRUCTION WORKERS		
BASED ON: U.S. EPA 2002		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 2/8/2011

PURPOSE: To calculate ambient air concentrations resulting from fugitive dust and volatilization from soil at Block F.

RELEVANT EQUATIONS:

$$Cair = Cs \times (1/PEF + 1/VF)$$

$$VF = \frac{Q/C \times (3.14 \times DA \times T)^{1/2} \times 10^{-4}\ m^2/cm^2}{2 \times pb \times DA} \times \frac{1}{F_D}$$

$$DA = \frac{(\theta a^{10/3} \times Di \times H + \theta w^{10/3} \times Dw)/\theta_T^{\,2}}{pb \times Kd + \theta w + \theta a \times H}$$

$$Csat = S/pb \times (Kd \times pb + \theta w + H \times \theta a)$$

Where:

Cair	=	Chemical concentration in air (mg/m^3)
Cs	=	Chemical concentration in soil (mg/kg)
PEF	=	Particulate emission factor (m^3/kg)
VF_{sc}	=	Subchronic volatilization factor (m^3/kg)
Q/C_{sa}	=	Inverse of mean conc. at center of source (g/m^2-s per kg/m^3).
F_D	=	Dispersion correction factor (unitless)
T	=	Total time over which construction occurs (seconds).
pb	=	Dry soil bulk density (g/cm^3).
ps	=	soil particle density (g/cm^3).
n	=	Total soil porosity (Lpore/Lsoil).
θw	=	Water-filled soil porosity (Lpore/Lsoil).
θa	=	Air-filled soil porosity (Lair/Lsoil).
Di	=	Diffusivity in air (cm^2/sec).
H	=	Dimensionless Henry's Law Constant.
S	=	Solubility limit (mg/L)
Dw	=	Diffusivity in water (cm^2/sec).
DA	=	Apparent diffusivity (cm^2/sec).
Kd	=	Soil-water partition coefficient (cm^3/g).
Koc	=	Soil organic carbon partition coefficient (cm^3/g).
foc	=	Fraction organic carbon in soil (g/g).

CLIENT: LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND		JOB NUMBER: 03214
SUBJECT: ESTIMATION OF AMBIENT AIR CONCENTRATIONS RESULTING FROM FUGITIVE DUST EMISSIONS AND VOLATILIZATION FROM SOIL FOR CONSTRUCTION WORKERS		
BASED ON: U.S. EPA 2002		
BY: L. CIOFANI	CHECKED BY:	DATE: 2/8/2011

ASSUMPTIONS:

Cs	=	159	mg/kg	Chemical: Naphthalene
PEF	=	1.43E+06	m3/kg	
Q/C	=	14.31	g/m2-s per kg/m3	
F_D	=	0.185		
T	=	3.15E+07	sec	
pb	=	1.5	g/cm3	
ps	=	2.65	g/cm3	
θ_T	=	0.434	Lpore/Lsoil	
θw	=	0.15	Lpore/Lsoil	
θa	=	0.284	Lair/Lsoil	
Di	=	6.00E-02	cm2/sec	
H	=	1.80E-02	Uniltess	
S	=	3.10E+01	mg/L	
Dw	=	8.40E-06	cm2/sec	
Koc	=	1.54E+03	cm3/g	
foc	=	0.006	g/g	
Kd	=	9.264	cm3/g	

EXAMPLE CALCULATIONS

$$DA = \frac{[(0.284^{10/3}) \times (0.06\ cm2/sec) \times (1.80E\text{-}02) + (0.15^{10/3}) \times (8.40E\text{-}06\ cm2/sec)]/(0.434^2)}{(1.5\ g/cm3 \times 9.264\ cm3/g) + (0.15 + 0.284 \times 0.018)}$$

DA = 6.15E-06 cm^2/sec ✓

$$VF = \frac{(14.31\ g/m2\text{-}s\ per\ kg/m3) \times [(3.14) \times (6.15E\text{-}06\ cm2/sec) \times (3.15E+07\ sec)]^{1/2} \times (1E\text{-}4\ m2/cm2)}{2 \times 1.5 g/cm3 \times 6.15E\text{-}06\ cm2/sec} \times \frac{1}{0.185}$$

VF = 1.03E+04 m^3/kg ✓

Csat = (3.10E+01 mg/L)/(1.5 g/cm3) x [(9.264 cm3/g) x (1.5 g/cm3) + (0.15 + 1.80E-02 x 0.284)]

Csat = 2.90E+02 mg/kg ✓

Csat is greater than Cs, therfore use Cs in calculation of air concentration.

Cair = 159 mg/kg x [(1/1.43E+06 m3/kg) + (1/1.03E+04 m3/kg)]

Cair = 1.55E-02 mg/m^3 ✓

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

PURPOSE: To estimate intake, carcinogenic risks for mutagenic chemicals from inhalation of surface soil at Block E.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day} \times ADAF$$

Where:

EC	=	estimated exposure intake (mg/kg/day)
Ca	=	exposure point concentration in air (mg/m3)
	=	Cs x 1/PEF
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m3/kg)
IR	=	inhlation rate (m3/hr)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
IURi	=	inhalation unit risk($(ug/mg)^{-1}$)

RISKS:

ILCR = Exposure concentration (mg/m3) x IUR (ug/m3)-1 x 1000 ug/mg

ASSUMPTIONS:

Cs	=	1.5	mg/kg	Chemical: Benzo(a)pyrene
PEF	=	3.23E+09	m3/kg	
Ca	=	4.64E-10	mg/m3	
ET	=	24	hr/day	
EF	=	350	days/year	
ED	=	12	years	
ATc	=	25550	days	
IUR	=	1.1E-03	$(ug/m3)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

EXAMPLE CARCINOGENIC CALCULATION

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 12\ years}{25550\ days \times 24\ hours/day} \times 1$$

EC = 7.63E-11 mg/m3 ✓

ILCR = (7.63E-11 mg/m3) x 1.10E-03 (ug/m3)-1 x 1000 ug/mg

ILCR = 8.4E-11 ✓

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

PURPOSE: To estimate intake, carcinogenic risks for mutagenic chemicals from inhalation of surface soil at Block E.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day} \times ADAF$$

Where:

EC	=	estimated exposure concentration (mg/m3)
Ca	=	exposure point concentration in air (mg/m3)
	=	Cs x 1/PEF
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m3/kg)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
IUR	=	inhalation unit risk($(ug/mg)^{-1}$)

RISKS:

ILCR = Exposure concentration (mg/m3) x IURi (ug/m3)-1 x 1000 ug/mg

ASSUMPTIONS:

Cs	=	1.5	mg/kg	Chemical: Benzo(a)pyrene
PEF	=	3.23E+09	m3/kg	
Ca	=	4.64E-10	mg/m3	
ET	=	24	hr/day	
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
ATc	=	25550	days	
IUR	=	1.1E-03	$(ug/m3)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

EXAMPLE CARCINOGENIC CALCULATION

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 2\ years}{25550\ days \times 24\ hours/day} \times 10$$

EC = 1.27E-10 mg/m3 ✓

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 4\ years}{25550\ days \times 24\ hours/day} \times 3$$

EC = 7.63E-11 mg/m3 ✓

ILCR = (1.27E-10 mg/m3 + 7.63E-11 mg/m3) x 1.10E-03 (ug/m3)-1 x 1000 ug/mg

ILCR = 2.2E-10 ✓

APPENDIX D-4

HISTORICAL FILTERED GROUNDWATER SAMPLES

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW35A-072308	MRC-MW39A-072308	MRC-MW40A-072208	MRC-MW30A-072908	MRC-MW31A-072908	MRC-MW32A-072808	MRC-MW34A-072808
LABORATORY ID:	A8G240158005	A8G240158009	A8G230110006	A8G300192019	A8G300192017	A8G300192003	A8G300192005
SAMPLE DATE:	7/23/2008	7/23/2008	7/22/2008	7/29/2008	7/29/2008	7/28/2008	7/28/2008
LOCATION:	MW35A	MW39A	MW40A	MW30A	MW31A	MW32A	MW34A
BLOCK:	D	D	D	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.72	2 U	2 U	1.1	0.035 U	0.035 U	0.035 U
ARSENIC	36	1.6	0.18 B	0.97	0.6	0.32	0.13 U
BARIUM	71.6	37.9	25.4	147	109	31.6	49.3
BERYLLIUM	0.022 B	0.18	4.4	0.27	8.6	1.6	0.037
CADMIUM	1 U	1 U	0.04 B	0.032 B	0.056 B	0.029 B	0.029 B
CHROMIUM	1.5	0.15	1.5	1.6	1.1	0.069 U	0.5
COBALT	3.7	5	21.2	1.9	59.2	5.6	0.77
COPPER	0.3	0.11 B	7	1.8 K	36.8	5.1	0.35 B
IRON	76500	21300	97.7	1.1 U	642	63.5 B	36.1 B
LEAD	0.23 B	0.021 B	0.093 B	0.053 B	0.79 B	0.21 B	0.1 B
MANGANESE	332	180	37.5	9.1 B	31.2	2.8 B	2.3 B
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.34 B	2 U	2 U	0.48 B	0.12 U	0.12 U	0.12 U
NICKEL	0.65	6.2	29.2	6.4	122	8.8	0.77 B
SELENIUM	0.52 B	5 U	5 U	1.6	0.48 B	0.24 B	2.1
SILVER	1 U	1 U	0.008 B	0.0026 U	0.009 B	0.0026 U	0.0026 U
THALLIUM	1 U	1 U	1 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.8 B	20 U	0.56	20	2.2	1.9	0.46 U
ZINC	4.2 B	4.3 B	63.9	29.7	128	17.9 B	2.3 B

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW35A-072308	MRC-MW39A-072308	MRC-MW40A-072208	MRC-MW30A-072908	MRC-MW31A-072908	MRC-MW32A-072808	MRC-MW34A-072808
LABORATORY ID:	A8G240158005	A8G240158009	A8G230110006	A8G300192019	A8G300192017	A8G300192003	A8G300192005
SAMPLE DATE:	7/23/2008	7/23/2008	7/22/2008	7/29/2008	7/29/2008	7/28/2008	7/28/2008
LOCATION:	MW35A	MW39A	MW40A	MW30A	MW31A	MW32A	MW34A
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.63	2 U	0.12 B	1	0.035 U	0.035 U	0.035 U
ARSENIC	37	1.8	5 U	0.99	0.68	0.24	0.13 U
BARIUM	73.9	38.3	26.3	146	112	31.5	49.8
BERYLLIUM	0.023 B	0.15	4.4	0.22	8.3	1.5	0.056
CADMIUM	1 U	1 U	0.059 B	0.036 B	0.038 B	0.017 B	0.034 B
CHROMIUM	1.5	0.2	1.4	1.5	0.92	0.069 U	0.91
COBALT	3.9	5	21.7	1.8	59.1	5.7	0.74
COPPER	0.1 B	2 U	7.5	1.9 K	36.9	5.1	0.32 B
IRON	80000	20700	7.6 B	1.1 U	534	1.1 U	1.1 U
LEAD	0.45 B	0.026 B	0.12 B	0.023 B	0.76 B	0.18 B	0.074 B
MANGANESE	303	190	33.6	6.2 B	30.8	2.6 B	2.2 B
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.23 B	0.19 B	0.16 B	0.54 B	0.12 U	0.12 U	0.12 U
NICKEL	0.51	6.5	29	6.5	123	8.6	0.91 B
SELENIUM	0.46 B	5 U	5 U	1.5	0.55 B	0.24 B	2.1
SILVER	1 U	1 U	0.046 B	0.0026 U	0.0026 U	0.0026 U	0.0026 U
THALLIUM	1 U	1 U	0.27 B	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.5 B	20 U	20 U	19.6	2	1.3	0.46 U
ZINC	3.3 B	4.8 B	62.1	31.2	127	17.8 B	2.7 B

Only samples from Blocks D, E, F, G, and H are presented.

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW34B-073108	MRC-MW34C-073108	MRC-MW36A-073108	MRC-MW43A-073108	MRC-MW44A-073108	MRC-MW62A-073108	MRC-MW62C-073108
LABORATORY ID:	A8H010122003	A8H010122006	A8H010122007	A8H010122012	A8H010122009	A8H010122010	A8H010122013
SAMPLE DATE:	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008
LOCATION:	MW34B	MW34C	MW36A	MW43A	MW44A	MW62A	MW62C
BLOCK:	E	E	E	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.077 B	0.11 B	0.059 B	0.19 B	0.07 B	0.048 B	0.13 B
ARSENIC	0.67 B	0.87 B	0.47 B	0.53 B	3.2 K	1.4 K	1.2 K
BARIUM	148	17.4	25.8	28	91.4	22.2	144
BERYLLIUM	10.4	0.045 B	2.6	1.4 B	0.061 B	5.8	0.095 B
CADMIUM	0.46 B	0.017 B	0.072 B	0.086 B	0.009 B	0.037 B	0.045 B
CHROMIUM	0.34 B	0.8 B	1.4 B	0.76 B	1.5 B	0.28 B	4.7
COBALT	128	0.34 B	30.4	32.4	1	12.8	30.1
COPPER	39.6	0.41 B	2.8 B	0.27 B	0.35 B	0.6 B	0.77 B
IRON	128 B	306	1180	5180	36800	718	22900
LEAD	0.13 B	0.21 B	0.49 B	0.22 B	0.23 B	0.2 B	0.67 B
MANGANESE	473	11.3	43.4	722	449	157	1280
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U
NICKEL	172	1.4 B	41.5	31.4	0.79 B	82.5	49.8
SELENIUM	1.1	0.14 U	0.3 B	0.3 B	0.2 B	0.14 U	0.14 U
SILVER	0.025 B	0.0026 U	0.0026 U	0.059 B	0.005 B	0.012 B	0.021 B
THALLIUM	0.38 B	0.11 U	0.11 U	0.17 B	0.11 U	0.11 U	0.16 B
VANADIUM	1.3	12	2.7	0.68	0.79	0.46 U	0.46 U
ZINC	338	3.6 B	73.6	47.9	83.2	65.6	22.4 B

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW34B-073108	MRC-MW34C-073108	MRC-MW36A-073108	MRC-MW43A-073108	MRC-MW44A-073108	MRC-MW62A-073108	MRC-MW62C-073108
LABORATORY ID:	A8H010122003	A8H010122006	A8H010122007	A8H010122012	A8H010122009	A8H010122010	A8H010122013
SAMPLE DATE:	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008
LOCATION:	MW34B	MW34C	MW36A	MW43A	MW44A	MW62A	MW62C
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.068 B	0.094 B	0.055 B	0.13 B	0.041 B	0.036 B	0.12 B
ARSENIC	0.72 B	0.88 B	0.44 B	0.64 B	3.2 B	1.4 B	0.58 B
BARIUM	149	16.7	25.4	28.5	88	21.8	89.8
BERYLLIUM	10.9	0.014 B	2.8	1.3 B	0.053 B	5.5	0.025 B
CADMIUM	0.45 B	0.0061 U	0.093 B	0.062 B	0.0061 UL	0.039 B	0.02 B
CHROMIUM	0.27 B	0.25 B	0.36 B	0.47 B	1.2 B	0.41 B	0.14 B
COBALT	124	0.13 B	33.6	33	1	12.4	14.5
COPPER	39	0.051 U	2 K	0.36 B	0.11 B	0.13 B	0.051 U
IRON	81.6 B	1.1 U	13.6 B	3730	36600	684	10700
LEAD	0.11 B	0.071 B	0.22 B	0.087 B	0.12 B	0.1 B	0.066 B
MANGANESE	452	9.7	49.3	762	426	153	674
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	168	0.64 B	47	30.8	0.78 B	81.6	23.8
SELENIUM	0.87 B	0.19 B	0.24 B	0.16 B	0.17 B	0.14 U	0.14 U
SILVER	0.003 B	0.0026 U	0.0026 U	0.015 B	0.0026 U	0.0026 U	0.019 B
THALLIUM	0.36 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.4	10	0.69	1	0.58	0.5	0.46 U
ZINC	340	1.9 B	79.2	46.8	21.4 B	65	4.8 B

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW72A-073008	MRC-MW72B-073008	MRC-MW73A-073008	MRC-MW73B-073108	MRC-MW74A-073008	MRC-MW74B-073108	MRC-MW45A-072108
LABORATORY ID:	A8G310150002	A8G310150005	A8G310150007	A8H010122004	A8G310150004	A8H010122011	A8G220182009
SAMPLE DATE:	7/30/2008	7/30/2008	7/30/2008	7/31/2008	7/30/2008	7/31/2008	7/21/2008
LOCATION:	MW72A	MW72B	MW73A	MW73B	MW74A	MW74B	MW45A
BLOCK:	E	E	E	E	E	E	F
INORGANICS (ug/L)							
ANTIMONY	2 U	2 U	2 U	0.07 B	2 U	0.043 B	0.25 B
ARSENIC	0.3	5 U	0.35	0.4 B	0.71	0.46 B	0.6
BARIUM	56.9	11.4	32.6	26.4	46.3	38.2	21.2
BERYLLIUM	0.02 B	0.62	2	1.9	1.4	0.47 B	0.45
CADMIUM	0.02 B	0.012 B	0.35	0.088 B	0.12 B	0.14 B	0.091 B
CHROMIUM	0.27 B	0.25 B	2.2	0.62 B	0.34 B	0.34 B	3.2
COBALT	1.4	8.9	17.2	17.2	31.8	53.7	2.4
COPPER	0.56 B	1.5 B	3.7 B	4.7	5.9	0.67 B	10.4
IRON	218	19.3 B	3170	174	231	195	2420
LEAD	0.14 B	1 U	0.6 B	0.19 B	0.098 B	0.19 B	4.9
MANGANESE	37.1	64.2	114	91	1030	667	73
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U	0.2 U
MOLYBDENUM	2 U	2 U	2 U	0.12 U	2 U	0.12 U	0.21 B
NICKEL	2.7 L	10.1 L	42.9 L	19.4	10.5 L	29.2	33
SELENIUM	0.5 B	5 U	0.35 B	0.33 B	0.76 B	0.14 U	0.51 B
SILVER	1 U	1 U	1 U	0.0026 U	1 U	0.0026 U	0.033 B
THALLIUM	1 U	1 U	1 U	0.15 B	1 U	0.11 U	1 U
VANADIUM	20 U	20 U	3.1	0.57	20 U	1	4.3
ZINC	8.4 B	20.2 B	64.6	45.1	41.5	626	7560

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW72A-073008	MRC-MW72B-073008	MRC-MW73A-073008	MRC-MW73B-073108	MRC-MW74A-073008	MRC-MW74B-073108	MRC-MW45A-072108
LABORATORY ID:	A8G310150002	A8G310150005	A8G310150007	A8H010122004	A8G310150004	A8H010122011	A8G220182009
SAMPLE DATE:	7/30/2008	7/30/2008	7/30/2008	7/31/2008	7/30/2008	7/31/2008	7/21/2008
LOCATION:	MW72A	MW72B	MW73A	MW73B	MW74A	MW74B	MW45A
INORGANICS FILTERED (ug/L)							
ANTIMONY	2 U	2 U	2 U	0.053 B	2 U	0.035 U	0.17 B
ARSENIC	0.2	0.18	0.27	0.41 B	0.89	0.42 B	0.36
BARIUM	57	12	35.9	25.8	45.4	39.1	15.2
BERYLLIUM	0.017 B	0.6 B	2	1.8	1.4	0.45 B	0.031 B
CADMIUM	0.01 B	0.014 B	0.35	0.061 B	0.1 B	0.11 B	0.12 B
CHROMIUM	0.087 B	0.42 B	0.24 B	0.34 B	0.47 B	0.38 B	0.56 B
COBALT	1.3	8.8	19.5	16.3	30.3	54	1.8
COPPER	0.41 B	1.6 B	2.3 B	4.3	5.5	0.7 B	4.5
IRON	146	50 U	367	14.6 B	332	47.5 B	49.5 B
LEAD	0.054 B	1 U	1 U	0.12 B	0.1 B	0.099 B	0.18 B
MANGANESE	36.4	62.5	121	88.4	1040	689	60.6
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U	0.2 U
MOLYBDENUM	2 U	2 U	2 U	0.12 U	2 U	0.12 U	0.14 B
NICKEL	2.5	9.9	48.2	18.6	9.8	29.6	32.9
SELENIUM	0.33 B	5 U	0.61 B	0.32 B	0.78 B	0.18 B	0.37 B
SILVER	1 U	1 U	1 U	0.0026 U	1 U	0.0026 U	1 U
THALLIUM	1 U	1 U	1 U	0.11 U	1 U	0.11 U	1 U
VANADIUM	0.55	0.67	20 U	0.46 U	0.88	0.63	0.89 B
ZINC	6.9 B	23.8 B	69.8	38.2	38.8	648	7640

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW46a-071708	MRC-MW47A-071808	MRC-MW65A-071708	MRC-MW66A-071708	MRC-MW09A-071508	MRC-MW10A-071508	MRC-MW11A-071508
LABORATORY ID:	A8G180185002	A8G190121003	A8G180185005	A8G180185006	A8G160196008	A8G160196012	A8G170178003
SAMPLE DATE:	7/17/2008	7/18/2008	7/17/2008	7/17/2008	7/15/2008	7/15/2008	7/15/2008
LOCATION:	MW46A	MW47A	MW65A	MW66A	MW09A	MW10A	MW11A
BLOCK:	F	F	F	F	G	G	G
INORGANICS (ug/L)							
ANTIMONY	2.7	0.3 B	0.16 B	0.035 U	0.56	0.2 B	0.12 B
ARSENIC	1.4	13.6	0.34	0.73	2.5	4.2	1.1 K
BARIUM	79.6	216	21.2	85.2	88.7	157	38.7
BERYLLIUM	4.2	0.54	0.041 B	0.25 K	0.12 B	1.3	0.013 B
CADMIUM	0.22 K	0.042 B	0.013 B	0.064 B	0.12 B	0.085 B	0.04 B
CHROMIUM	0.97 B	9.1	0.33 B	0.069 U	3.6	11.8	0.069 U
COBALT	24.8	5	1	6.4	0.57	142	88.6
COPPER	10.9	6.2	0.39 B	0.48 B	2.1 B	8.3	0.21 B
IRON	404	74200	65.3 B	8.7 B	9720	70200	82900
LEAD	0.86	8.1	0.049 B	0.071 B	1 B	6.8	0.071 B
MANGANESE	276	534	3.2	90.7	891	8120	7180
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 B
MOLYBDENUM	0.92	1.1 K	0.12 U	0.12 U	0.59	0.22	0.12 U
NICKEL	30.5	6.8 K	0.88 K	1.9 K	1.6	79.5	30.2 K
SELENIUM	0.3 B	0.91	0.29 B	2.2 L	0.6	0.79	0.14 U
SILVER	0.017 B	0.065 B	0.0026 U	0.017 B	0.0026 U	0.011 B	0.009 B
THALLIUM	0.11 U	0.12 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	2.8 B	15	0.66 B	0.46 U	3.5	17.6	0.46 UL
ZINC	1160	58.8 K	3.6 B	4.6 B	12.6 B	97.4	75.7

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW46a-071708	MRC-MW47A-071808	MRC-MW65A-071708	MRC-MW66A-071708	MRC-MW09A-071508	MRC-MW10A-071508	MRC-MW11A-071508
LABORATORY ID:	A8G180185002	A8G190121003	A8G180185005	A8G180185006	A8G160196008	A8G160196012	A8G170178003
SAMPLE DATE:	7/17/2008	7/18/2008	7/17/2008	7/17/2008	7/15/2008	7/15/2008	7/15/2008
LOCATION:	MW46A	MW47A	MW65A	MW66A	MW09A	MW10A	MW11A
INORGANICS FILTERED (ug/L)							
ANTIMONY	2.7	0.14 B	0.051 B	0.035 U	0.58	0.035 U	0.061 B
ARSENIC	1.2	9.7	0.4	0.8	2.5	1.7 K	1.1 K
BARIUM	80	180	20.8	88.4	94.6	146	40.1
BERYLLIUM	3.7	0.087 B	0.036 B	0.23 K	0.017 B	0.088 B	0.013 B
CADMIUM	0.3 K	0.013 B	0.022 B	0.025 B	0.0061 U	0.0061 U	0.048 B
CHROMIUM	0.2 B	0.64 B	0.2 B	0.069 U	0.54	0.069 U	0.069 U
COBALT	24.2	2.7	0.91	6.7	0.21 B	152	95.4
COPPER	10.3	0.098 K	0.43 B	0.49 B	0.31 B	0.051 U	0.1 B
IRON	5 B	63600	1.1 U	53.5 B	9230	59200	83300
LEAD	0.29	0.033 B	0.018 U	0.052 B	0.039 B	0.052 B	0.018 U
MANGANESE	286	495	2.5 B	95.2	970	8890	7400
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.16 B
MOLYBDENUM	0.77	0.65 B	0.12 U	0.12 U	0.64	0.12 U	0.12 U
NICKEL	28.8	0.95 K	1 K	1.9 K	0.74 B	83.6	33 K
SELENIUM	0.14 B	0.64	0.25 B	2.4 K	0.35	0.14 U	0.14 U
SILVER	0.0026 U	0.014 B	0.0026 U	0.016 B	0.0026 U	0.0026 U	0.0026 U
THALLIUM	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	2.3 B	1.4 B	0.46 U	0.53 B	1.5	0.46 U	0.46 UL
ZINC	1160	2.7 K	8.3 K	4.4 K	2 B	27.6	68.9

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW11C-072508	MRC-MW12A-071808	MRC-MW12b-071708	MRC-MW12C-072408	MRC-MW13A-071808	MRC-MW14A-071608	MRC-MW14B-071608
LABORATORY ID:	A8G260121003	A8G190121002	A8G180185007	A8G250140010	A8G190121005	A8G170178006	A8G170178007
SAMPLE DATE:	7/25/2008	7/18/2008	7/17/2008	7/24/2008	7/18/2008	7/16/2008	7/16/2008
LOCATION:	MW11C	MW12A	MW12b	MW12C	MW13A	MW14A	MW14B
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.2 J	0.29 B	1.7 B	0.042 B	0.035 U	0.058 B	0.17 B
ARSENIC	1.5	0.78 K	35	0.2 B	1.4	2.1 K	7.6 K
BARIUM	45.9	90.8	357	16.6	140	77	27.8 K
BERYLLIUM	1.2	0.13 B	12.1	0.39	0.029 B	0.079 B	263 L
CADMIUM	0.11 B	0.016 B	0.3 J	0.024 B	0.0061 U	0.024 B	0.78
CHROMIUM	7.6	0.53 K	151	3.2	0.16 B	0.94 K	298
COBALT	23.6	41.7	96.2	6.3	0.58	75.6	926
COPPER	14.5	0.82 K	111	4.4	0.059 B	0.61 B	2850
IRON	6120	36300	162000	2270	1950	64900	270000
LEAD	7.9	0.36 K	94.4	1.4	0.033 B	0.38 B	22.1
MANGANESE	120	2320	2850	46.2	1560	3300	17800
MERCURY	0.2 U	0.1 U	4.6	0.2 U	0.1 U	0.1 U	0.14 B
MOLYBDENUM	0.12 B	0.31 B	2.5 K	2 U	0.15 B	0.12 U	1.7
NICKEL	31.4 L	70.3	233	10.1	0.76	73.5	1700
SELENIUM	0.42 B	0.14 UL	5.7 L	5 U	0.14 U	0.14 U	12
SILVER	0.038 B	0.0026 U	0.3 B	1 U	0.0026 U	0.0026 U	1.1 K
THALLIUM	0.14 B	0.17 B	0.83 B	1 U	0.11 U	0.11 U	1.4
VANADIUM	9.1	1.7 B	218	4.3	0.46 U	0.46 UL	75.2 L
ZINC	79	69.8 K	618	26.2 B	3.9 K	43.6	4900

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW11C-072508	MRC-MW12A-071808	MRC-MW12b-071708	MRC-MW12C-072408	MRC-MW13A-071808	MRC-MW14A-071608	MRC-MW14B-071608
LABORATORY ID:	A8G260121003	A8G190121002	A8G180185007	A8G250140010	A8G190121005	A8G170178006	A8G170178007
SAMPLE DATE:	7/25/2008	7/18/2008	7/17/2008	7/24/2008	7/18/2008	7/16/2008	7/16/2008
LOCATION:	MW11C	MW12A	MW12b	MW12C	MW13A	MW14A	MW14B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.06 B	0.11 B	0.058 B	2 U	0.035 U	0.04 B	0.054 B
ARSENIC	5 U	1.1 K	1.8	5 U	1.3	1.9 K	5.4 K
BARIUM	9.3	61	84.9	5.8	142	81.7	8.2 K
BERYLLIUM	0.2 B	0.11 B	0.18 K	0.16	0.04 B	0.031 B	290 L
CADMIUM	0.047 B	0.029 B	0.027 B	0.019 B	0.0061 U	0.021 B	0.77
CHROMIUM	0.91 B	0.21 B	1.2 B	2 U	0.069 U	0.069 U	308
COBALT	8	43.7	29	5.2	0.56	63.6	1020
COPPER	2.4 B	0.13 K	1	1.2 B	0.12 B	0.053 B	3160
IRON	527	30900	19700	10.6 B	1840	67700	286000
LEAD	0.86	0.083 B	0.75	0.11 B	0.018 U	0.026 B	18.8
MANGANESE	40.5	2190	2340	30.8	1620	3070	20500
MERCURY	0.2 U	0.1 U	0.14	0.2 U	0.1 U	0.18 B	0.1 U
MOLYBDENUM	2 U	0.2 B	0.12 U	2 U	0.18 B	0.12 U	0.74
NICKEL	10.6	94.4	61.5	8	0.87	61.9	1880
SELENIUM	5 U	0.14 U	0.14 UL	5 U	0.14 U	0.14 U	12.3
SILVER	0.004 B	0.018 B	0.0026 U	1 U	0.0026 U	0.0026 U	1.3 K
THALLIUM	1 U	0.15 B	0.11 U	1 U	0.11 U	0.11 U	0.65 B
VANADIUM	0.91	0.46 U	2.2 B	20 U	0.46 U	0.46 UL	51.6 L
ZINC	26 B	92	109	19.2 B	4.3 K	31.4 K	11700

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW14C-072408	MRC-MW15A-071508	MRC-MW16A-071508	MRC-MW54A-071408	MRC-MW63A-071608	MRC-MW70A-080108	MRC-MW70B-080108
LABORATORY ID:	A8G250140005	A8G170178002	A8G160196010	A8G160196007	A8G170178010	A8H020123003	A8H020123004
SAMPLE DATE:	7/24/2008	7/15/2008	7/15/2008	7/15/2008	7/16/2008	8/1/2008	8/1/2008
LOCATION:	MW14C	MW15A	MW16A	MW54A	MW63A	MW70A	MW70B
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.13 B	0.12 B	0.089 B	0.063 B	0.062 B	0.14 B	0.1 B
ARSENIC	1.4	1.7	0.39	0.13 U	0.13 U	4.2 K	1.5 K
BARIUM	52.7	102	295	24	137	113	288
BERYLLIUM	0.16	0.53 L	7.5	0.31	0.26 L	1	0.048 B
CADMIUM	0.039 B	0.12 B	1.8	0.01 B	0.15 B	0.058 B	0.01 B
CHROMIUM	3.2	0.069 U	1.5	0.18	0.39 K	5.9 K	1.9
COBALT	10.4	66.6	222	0.4 B	187	58.1	0.25 B
COPPER	4.8	0.4 B	6.8	0.23 B	0.33 B	6	0.5 B
IRON	17100	11700	2220	268	15800	63800	595
LEAD	1.7	0.48 B	1 B	0.16 B	0.018 U	2.5	0.44 B
MANGANESE	1170	5640	4360	49.9	1040	2570	10.9
MERCURY	0.2 U	0.1 U	0.1 U	0.2	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.24	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.1 B
NICKEL	17.9	18	266	2.5	276	69.2	2.3 K
SELENIUM	5 U	0.73	0.27	0.14 U	0.14 U	0.57 B	0.14 U
SILVER	0.009 B	0.0026 U	0.021 B	0.0026 U	0.0026 U	0.025 B	0.0026 U
THALLIUM	1 U	0.42 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	4 B	0.46 UL	1.6	0.46 U	0.46 U	11.2	2.6
ZINC	23.2 B	13.4 K	439	3.6 B	153	72.2	90.4

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW14C-072408	MRC-MW15A-071508	MRC-MW16A-071508	MRC-MW54A-071408	MRC-MW63A-071608	MRC-MW70A-080108	MRC-MW70B-080108
LABORATORY ID:	A8G250140005	A8G170178002	A8G160196010	A8G160196007	A8G170178010	A8H020123003	A8H020123004
SAMPLE DATE:	7/24/2008	7/15/2008	7/15/2008	7/15/2008	7/16/2008	8/1/2008	8/1/2008
LOCATION:	MW14C	MW15A	MW16A	MW54A	MW63A	MW70A	MW70B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.057 B	0.055 B	0.04 B	0.048 B	0.068 B	0.06 B	0.13 B
ARSENIC	0.98	1.1 K	0.21	0.13 U	0.13 U	3.2 K	1.5
BARIUM	52.6	99.4	333	24.4	138	129	277
BERYLLIUM	1 U	0.47 L	8.1	0.28	0.24 L	0.56	0.016 B
CADMIUM	1 U	0.061 B	1.9	0.008 B	0.16 B	0.0061 UL	0.0061 U
CHROMIUM	2 U	0.069 U	0.32	0.069 U	0.069 U	0.14 B	0.29 B
COBALT	8.4	66.7	261	0.25 B	188	66.1	0.057 B
COPPER	0.085 B	0.45 B	6	0.18 B	0.32 B	0.13 B	0.17 B
IRON	17000	11500	1620	1.1 U	15700	69900	11 B
LEAD	0.098 B	0.19 B	0.72 B	0.071 B	0.018 U	0.11 B	0.11 B
MANGANESE	1290	5680	4940	47.1	991	2940	1.1 K
MERCURY	0.2 U	0.14 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.27	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.1 B
NICKEL	13.6	17.8	304	2.6	274	75.4	2 K
SELENIUM	5 U	0.62	0.31	0.14 U	0.14 U	0.2 B	0.14 U
SILVER	1 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
THALLIUM	1 U	0.31 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	20 U	0.46 UL	0.46 U	0.46 U	0.46 U	0.46 U	0.56
ZINC	5.1 B	11.6 K	487	4.3 B	144	32.5	16.4 B

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW71A-071608	MRC-MW71B-071608	MRC-MW08A-071408	MRC-MW51A-071408	MRC-MW52A-071408	MRC-MW53A-071408
LABORATORY ID:	A8G170178008	A8G170178004	A8G160196003	A8G160196006	A8G160196004	A8G160196002
SAMPLE DATE:	7/16/2008	7/16/2008	7/14/2008	7/14/2008	7/14/2008	7/14/2008
LOCATION:	MW71A	MW71B	MW08A	MW51A	MW52A	MW53A
BLOCK:	G	G	H	H	H	H
INORGANICS (ug/L)						
ANTIMONY	0.07	0.035 U	0.054 B	0.051 B	0.088 B	0.035 U
ARSENIC	0.59	0.13 U	0.58 J	0.45 K	3.5	0.14 L
BARIUM	40.5	63.4	144	91.3	978	222
BERYLLIUM	83.1 J	0.042 B	0.45	35.9	80.5	10.2
CADMIUM	4.8	0.012 B	0.073 B	0.56	3.7	0.42
CHROMIUM	3.9	0.22 K	0.72 K	0.48 K	0.2 K	0.73
COBALT	83.1	63.8	135	444	2270	114
COPPER	7	0.28 B	0.85 B	16.2	174	11.6
IRON	5010	47800	34800 L	10700	20900	104
LEAD	2.1	0.077 B	0.46 B	1.5	4.4	0.36 B
MANGANESE	2000	3250	34700	573	34400	740
MERCURY	0.28 B	0.15 B	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	183	79.9	249	825	1700	171
SELENIUM	1.1	0.14 U	0.14 U	0.65	6	0.16
SILVER	0.02 B	0.0026 U	0.0026 U	0.008 B	0.38 K	0.009 B
THALLIUM	0.11 U	0.11 U	0.11 B	0.12 B	1.6	0.12 B
VANADIUM	4.3 L	0.46 UL	0.46 UL	0.46 U	0.87	0.46 UL
ZINC	232	111	108	970	2920	281

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW71A-071608	MRC-MW71B-071608	MRC-MW08A-071408	MRC-MW51A-071408	MRC-MW52A-071408	MRC-MW53A-071408
LABORATORY ID:	A8G170178008	A8G170178004	A8G160196003	A8G160196006	A8G160196004	A8G160196002
SAMPLE DATE:	7/16/2008	7/16/2008	7/14/2008	7/14/2008	7/14/2008	7/14/2008
LOCATION:	MW71A	MW71B	MW08A	MW51A	MW52A	MW53A
INORGANICS FILTERED (ug/L)						
ANTIMONY	0.1 B	0.035 U	0.035 U	0.051 B	0.053 B	0.035 U
ARSENIC	0.36	0.13 U	0.45 J	0.46 K	3.5	0.21 L
BARIUM	42.3	64.7	143	96	950	230
BERYLLIUM	14.1 L	0.031 B	0.42	35.9	77.8	10.3
CADMIUM	4.4	0.014 B	0.087 B	0.52	3.4	0.44
CHROMIUM	0.18	0.069 U	0.069 U	0.26 K	0.11 K	0.75
COBALT	104	64	138	455	2220	114
COPPER	3.6	0.2 B	0.083 B	13.7	173	11
IRON	918	48400	33400	10400	20900	61.4
LEAD	0.67 B	0.018 B	0.026 B	1.5	4.2	0.34 B
MANGANESE	2270	3270	36400	585	33200	756
MERCURY	0.13 B	0.14 B	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	218	79.9	254	851	1660	170
SELENIUM	0.6	0.14 U	0.21	0.64	7	0.27
SILVER	0.02 B	0.0026 U	0.0026 U	0.0026 U	0.24 B	0.0026 U
THALLIUM	0.21 B	0.11 U	0.11 U	0.17 B	1.4	0.14 B
VANADIUM	0.46 UL	0.46 UL	0.46 UL	0.46 U	0.47	0.46 UL
ZINC	240	114	110	984	2880	279

Only samples from Blocks D, E, F, G, and H are pre

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW30A-080409	MRC-MW34A-082509	MRC-MW34B-082509	MRC-MW36A-082609	MRC-MW43A-082109	MRC-MW44A-080509	MRC-MW72B-080709
LABORATORY ID:	A9H050300007	A9H260250003	A9H260250002	A9H270200003	A9H220139007	A9H070192003	A9H080141004
SAMPLE DATE:	8/4/2009	8/25/2009	8/25/2009	8/26/2009	8/21/2009	8/5/2009	8/7/2009
LOCATION:	MRC-MW30A	MRC-MW34A	MRC-MW34B	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72B
BLOCK:	E	E	E	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.23 B	0.055 U	0.055 U	0.088 B	0.055 U	0.15	0.055 U
ARSENIC	0.35 K	0.21 U	0.21 U	0.21 U	0.21 U	1.1 K	0.21 U
BARIUM	129	41.5	145	33.5	31.3	133	13.5
BERYLLIUM	0.56 K	0.048 B	9.9	3.6	0.7	0.047	0.72
CADMIUM	0.15 B	0.027 U	0.42 B	0.08 B	0.065 B	0.027 B	0.027 U
CHROMIUM	0.26 B	0.91 B	0.89 B	0.24 B	0.22 B	0.77	0.12 B
COBALT	6.6	0.66	123	46.1	39.8	0.51 B	9.8
COPPER	0.99 B	0.3 B	38	2.9 B	0.28 B	0.19 K	1.6 K
IRON	11 U	120 B	1180	215	8570	16700	74.3
LEAD	0.088 B	0.16 B	0.4	0.21 B	0.12 B	0.16 B	0.056 B
MANGANESE	68.4	2.8 B	474	42.1	942	264	58.8
MERCURY	0.1 U	0.1 UL	0.1 UL	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.39 B	0.2 U	0.2 U	0.2 U
NICKEL	15.1	0.84 B	163	56.5	38.9	0.34 K	11.1
POTASSIUM		7880	6980	966 K	5590		
SELENIUM	1.5 K	2.1	0.66	0.26	0.14 U	0.16 K	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U	0.19 B	0.12 U
VANADIUM	5.7	0.6 U	6.1	0.6 U	0.6 U	0.98	0.6 U
ZINC	45	5.2 B	335	88.5	58.2	19 K	27.5 B

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW30A-080409	MRC-MW34A-082509	MRC-MW34B-082509	MRC-MW36A-082609	MRC-MW43A-082109	MRC-MW44A-080509	MRC-MW72B-080709
LABORATORY ID:	A9H050300007	A9H260250003	A9H260250002	A9H270200003	A9H220139007	A9H070192003	A9H080141004
SAMPLE DATE:	8/4/2009	8/25/2009	8/25/2009	8/26/2009	8/21/2009	8/5/2009	8/7/2009
LOCATION:	MRC-MW30A	MRC-MW34A	MRC-MW34B	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.23 B	0.055 U	0.055 U	0.06 B	0.055 U	0.13 B	0.055 U
ARSENIC	0.47 K	0.21 U	0.21 U	0.21 U	0.21 U	1.1 K	0.21 U
BARIUM	132	41	146	30.6	29.5	134	13.4
BERYLLIUM	0.64 K	0.054 B	9.8	3.4	0.77	0.051	0.66
CADMIUM	0.1 B	0.032 B	0.4 B	0.074 B	0.049 B	0.027 B	0.027 U
CHROMIUM	0.61 B	0.78 B	0.12 B	0.32 B	0.095 B	0.67	0.066 U
COBALT	7.5	0.64	122	41.5	36.6	0.47 B	9.3
COPPER	1.3 B	0.3 B	36.8	3.2 B	0.56 B	0.11 K	1.8 K
IRON	11 U	26.7 B	54.2 B	121 B	4950	16700	11 U
LEAD	0.087 B	0.055 B	0.12 B	0.19 B	0.074 B	0.12 B	0.062 B
MANGANESE	65.1	2.1 B	469	43.6	830	268	57.6
MERCURY	0.1 U	0.1 UL	0.1 UL	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	18.4	0.74 B	159	53.2	34.6	0.37 B	10.9
SELENIUM	1.6 K	1.9	0.56	0.28	0.14 U	0.26 K	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U	0.12 U	0.12 U
VANADIUM	5.7 B	0.6 U	0.85	0.6 U	0.6 U	0.65	0.6 U
ZINC	56	2.4 B	331	83.9	52.5	3.6 B	23.4 B

Only samples from Blocks E, G, and H are presented.

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW73B-081109	MRC-MW74A-081409	MRC-74B-081709	MRC-MW12A-073009	MRC-MW12B-073009	MRC-MW14A-073009	MRC-MW14B-082709
LABORATORY ID:	A9H130253004	A9H150168006	A9H190214003	A9G310180003	A9G310180002	A9G310180004	A9H280125002
SAMPLE DATE:	8/11/2009	8/14/2009	8/17/2009	7/30/2009	7/30/2009	7/30/2009	8/27/2009
LOCATION:	MRC-MW73B	MRC-MW74A	MRC-74B	MRC-MW12A	MRC-MW12B	MRC-MW14A	MRC-MW14B
BLOCK:	E	E	E	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.086 B	0.055 U	0.055 U	0.24	2 U	2 U	0.8
ARSENIC	0.21 B	1.1	0.21 U	0.94	5 U	1	0.21 U
BARIUM	30.5	48.3	33.1	87.1	89.6	58.8	79.4
BERYLLIUM	2.1	0.72	0.34	0.14 K	0.063 K	0.041 K	0.35 B
CADMIUM	0.063 B	0.26 B	0.1 B	0.07 B	0.04 B	1 U	0.48
CHROMIUM	0.32 B	0.77	0.26 B	0.92	0.19	2 U	4.2
COBALT	17.8	18.9	32.2	34.2	26.9	62.5	34.2
COPPER	4.8	2.1 K	0.88 K	1.2 K	0.22 B	0.1 B	12.2
IRON	67.2 B	314	292	31700	5180	46400	54200
LEAD	0.069 B	0.21 B	0.11 B	0.84 K	0.1 B	0.045 B	3
MANGANESE	89.5	1850	437	2010	2150	3190	1260
MERCURY	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.28 B	0.37	2 U	2 U	0.9 B
NICKEL	24.2	4.6	21.7	66.9	56.2	45.2	58.9
POTASSIUM							4980
SELENIUM	0.28 B	1.9	0.14 U	0.23 B	5 U	0.25 B	0.44
SILVER	0.033 U	0.033 U	0.033 U	1 U	1 U	1 U	0.41
THALLIUM	0.12 U	0.12 U	0.21 B	1 U	1 U	1 U	0.12 U
VANADIUM	0.6 U	0.6 U	0.6 U	1.3 B	20 U	20 U	8.1
ZINC	73.7	35.6 K	318	191	91.6	26.7	59.2

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW73B-081109	MRC-MW74A-081409	MRC-74B-081709	MRC-MW12A-073009	MRC-MW12B-073009	MRC-MW14A-073009	MRC-MW14B-082709
LABORATORY ID:	A9H130253004	A9H150168006	A9H190214003	A9G310180003	A9G310180002	A9G310180004	A9H280125002
SAMPLE DATE:	8/11/2009	8/14/2009	8/17/2009	7/30/2009	7/30/2009	7/30/2009	8/27/2009
LOCATION:	MRC-MW73B	MRC-MW74A	MRC-74B	MRC-MW12A	MRC-MW12B	MRC-MW14A	MRC-MW14B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.12 B	0.08 B	0.055 U	0.11	2 U	2 U	0.18 B
ARSENIC	0.21 U	1.1	0.21 U	0.62	5 U	1.2	0.21 U
BARIUM	30	48.8	32.4	83.2	83.6	56.7	93.4
BERYLLIUM	2	0.7	0.3 B	0.063 K	0.039 K	0.072 K	0.16 B
CADMIUM	0.045 B	0.094 B	0.13 B	0.061 B	0.05 B	1 U	0.21 B
CHROMIUM	0.16 B	0.066 U	0.12 B	2 U	2 U	2 U	0.68 B
COBALT	17.5	19.4	31	38	24.2	67.3	68
COPPER	4.7	2.2 K	0.74 K	0.28 B	0.3 B	0.33 B	0.74 B
IRON	11 U	123	16.7 B	37700	6320	45300	106000
LEAD	0.064 B	0.05 B	0.056 B	0.092 B	1 U	0.068 B	0.14 B
MANGANESE	83.8	1880	418	2110	2080	3380	2400
MERCURY	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	2 U	2 U	2 U	0.2 U
NICKEL	21.4	4.2	21.5	73.5	56	49.3	124
SELENIUM	0.38 B	1.8	0.24	0.16 B	5 U	0.37 B	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	1 U	1 U	1 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.12 U	0.17 B	1 U	1 U	0.12 U
VANADIUM	0.64	0.6 U	0.6 U	20 U	20 U	20 U	0.73
ZINC	70.3	32.1 K	306	193	98.6	32.4	98.3

Only samples from Blocks E, G, and H are presente

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW14C-083109	MRC-MW15A-082709	MRC-MW16A-082709	MRC-MW63A-080509	MRC-MW70A-080709	MRC-MW70B-080709	MRC-MW71A-082709
LABORATORY ID:	A9I030309002	A9H280125006	A9H280125007	A9H070192004	A9H080141002	A9H080141003	A9H280125005
SAMPLE DATE:	8/31/2009	8/27/2009	8/27/2009	8/5/2009	8/7/2009	8/7/2009	8/27/2009
LOCATION:	MRC-MW14C	MRC-MW15A	MRC-MW16A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.1 B	0.055 U	0.055 U	0.1	0.074 K	0.12 B	0.95
ARSENIC	0.88	0.6	0.86	1.4 K	3.6	1.1	0.21 U
BARIUM	70.3	120	382	157	109	683	76.5
BERYLLIUM	0.34 B	0.07 B	7.6	0.21 B	1.6	0.037 U	3.5
CADMIUM	0.033 B	0.027 U	1.1	0.063 B	0.027 U	0.031	3.2
CHROMIUM	6.7	0.19 B	0.37 B	0.066 U	0.45 B	3.2	0.88 B
COBALT	15.2	44	266	165	58	0.28 B	57.3
COPPER	7.4	0.35 B	7.9	0.43 K	0.65 K	0.82	1.6 B
IRON	18700	16400	6340	22400	64000	479	485
LEAD	2.5	0.14 B	1.2	0.28 B	0.28 B	0.32 B	0.7
MANGANESE	1220	5370	6160	754	2770	8.7	1430
MERCURY	0.11 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.39 B	2.6	0.2 U
NICKEL	27.6	11.3	271	234	57.8	5.1	115
POTASSIUM							
SELENIUM	0.21 B	0.19	0.28	0.27 K	2 K	0.14 U	0.3
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.035 B	0.033 U
THALLIUM	0.12 U	0.13 B	0.12 U	0.12 U	0.18 B	0.17 B	0.12 U
VANADIUM	8.9	0.6 U	0.6 U	0.6 U	0.73	3 U G	1.5
ZINC	64.8	13.1	411	87.9	30.8 B	24.6 B	675

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW14C-083109	MRC-MW15A-082709	MRC-MW16A-082709	MRC-MW63A-080509	MRC-MW70A-080709	MRC-MW70B-080709	MRC-MW71A-082709
LABORATORY ID:	A9I030309002	A9H280125006	A9H280125007	A9H070192004	A9H080141002	A9H080141003	A9H280125005
SAMPLE DATE:	8/31/2009	8/27/2009	8/27/2009	8/5/2009	8/7/2009	8/7/2009	8/27/2009
LOCATION:	MRC-MW14C	MRC-MW15A	MRC-MW16A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.055 U	0.055 U	0.055 U	0.071 B	0.096 K	0.055 U	0.93
ARSENIC	0.3	0.7	0.21 U	1.2 K	2.5 B	1 B	0.21 U
BARIUM	52.2	120	480	156	91.9	654	76.9
BERYLLIUM	0.089 B	0.1 B	11.9	0.15 B	1.3	0.037 U	3.7
CADMIUM	0.027 U	0.027 U	1.8	0.097 B	0.035	0.027 U	3
CHROMIUM	1.4	0.066 U	0.33 B	0.066 U	0.069 B	0.066 U	0.49 B
COBALT	8.9	47	350	164	51.1	0.073 B	57
COPPER	1.7 B	0.38 B	11.3	0.58 K	0.13 B	0.67 B	1.6 B
IRON	14100	15400	4140	19800	56200	11 U	147 B
LEAD	0.39	0.086 B	1.2	0.17 B	0.12 B	0.12 B	0.41
MANGANESE	1070	5390	5970	737	2440	0.62 B	1460
MERCURY	0.17 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.51 B	2.1	0.2 U
NICKEL	17.5	11.8	374	232	51.9	4.3	115
SELENIUM	0.18 B	0.31	0.14	0.26 K	1.3 B	0.14 U	0.28
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.12 U	0.12 U	0.17 B	0.12 U	0.12 U
VANADIUM	1.2	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.93
ZINC	43.4	10.3 B	621	84	11.7 B	10 B	632

Only samples from Blocks E, G, and H are presente

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW71B-082709	MRC-MW08A-072809	MRC-MW52A-072809	MRC-MW53A-072809
LABORATORY ID:	A9H280125003	A9G290200002	A9G290200003	A9G290200004
SAMPLE DATE:	8/27/2009	7/28/2009	7/28/2009	7/28/2009
LOCATION:	MRC-MW71B	MRC-MW08A	MRC-MW52A	MRC-MW53A
BLOCK:	G	H	H	H
INORGANICS (ug/L)				
ANTIMONY	5.6	2 U	0.19	0.087
ARSENIC	0.21 U	0.4	1.8	5 U
BARIUM	92.3	148	868	83.6
BERYLLIUM	0.037 U	0.58	63.8	7
CADMIUM	0.043 B	0.088 B	3.3	0.23 B
CHROMIUM	1.6 B	0.96	0.36	0.96
COBALT	13.4	120	2380	43.7
COPPER	3.9 B	0.77 B	83.5	10.4
IRON	3660	37200	16200	27.9 B
LEAD	0.47	0.43	1.4	0.31
MANGANESE	1060	40700	35800	187
MERCURY	0.1 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	3.3	2 U	2 U	2 U
NICKEL	19.7	262	1550	81.9
POTASSIUM				
SELENIUM	0.89	0.29	4.1	5 U
SILVER	0.033 U	1 U	0.095 B	1 U
THALLIUM	0.14 B	1 U	1.4	1 U
VANADIUM	2.2	0.72 B	1.1 B	20 U
ZINC	75.1	116	2880	141

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW71B-082709	MRC-MW08A-072809	MRC-MW52A-072809	MRC-MW53A-072809
LABORATORY ID:	A9H280125003	A9G290200002	A9G290200003	A9G290200004
SAMPLE DATE:	8/27/2009	7/28/2009	7/28/2009	7/28/2009
LOCATION:	MRC-MW71B	MRC-MW08A	MRC-MW52A	MRC-MW53A
INORGANICS FILTERED (ug/L)				
ANTIMONY	5.2	2 U	0.21	0.074
ARSENIC	0.21 U	0.27	2.2	5 U
BARIUM	77.4	140	864	83.8
BERYLLIUM	0.037 U	0.49	62.6	7
CADMIUM	0.045 B	0.083 B	3.2	0.16 B
CHROMIUM	0.41 B	2 U	0.11	0.85
COBALT	10.3	114	2410	44.5
COPPER	3.8 B	0.38 B	79.6	10.7
IRON	462	34300	16100	17.7 B
LEAD	0.077 B	0.099 B	1.4	0.27 B
MANGANESE	858	39900	35900	187
MERCURY	0.1 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	2.8	2 U	2 U	2 U
NICKEL	14.1	243	1590	82.6
SELENIUM	0.92	0.2	4.6	0.14
SILVER	0.033 U	1 U	1 U	1 U
THALLIUM	0.12 U	1 U	1.4	1 U
VANADIUM	0.6 U	20 U	0.87	20 U
ZINC	73.9	105	2910	147

Only samples from Blocks E, G, and H are presente

APPENDIX D-5

REFINED RISK EVALUATION FOR DRO/GRO

CLIENT	JOB NUMBER		
Lockheed			
SUBJECT: MRC - Calculation of Risk-based Concentrations for TPH (GRO/DRO)			
BASED ON: MDE/State of Massachusetts Methods.		DRAWING NUMBER	
BY: L. A. SINAGOGA	CHECKED BY: RJF	APPROVED BY	DATE

C_{soil} = Risk based concentration for non-carcinogenic hazard index of 1.

C_{soil} : Residential (Small child)

$$= \frac{1 \times 3E\text{-}2\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ \frac{Kg}{mg} \times 350\ \frac{d}{yr} \times 6\ yr}$$

$= 2{,}300\ mg/Kg$

C_{soil} : Commercial (Small child)

$$= \frac{1 \times 3E\text{-}2\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ \frac{Kg}{mg} \times 132\ \frac{d}{yr} \times 6\ yr}$$

$= 6{,}200\ mg/Kg$

C_{soil} : Industrial (Adult)

$$= \frac{1 \times 3E\text{-}02\ mg/Kg/d \times 70\ Kg \times 365\ d/yr \times 25\ yr}{50\ mg/d \times 10^{-6}\ Kg/mg \times 250\ d/yr \times 25\ yr}$$

$= 61{,}000\ mg/Kg$

C_{soil} recreational (Small child)

$$= \frac{1 \times 3E\text{-}02\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ Kg/mg \times 250\ d/yr \times 6\ yr}$$

$= 3{,}300\ mg/Kg$

- See attached State of Maryland, Department of the Environment, Clean-up Standards for Soil and Groundwater, June 2008, Interim Final Guidance, Update No. 2.1. (selected pages)
- Toxicity criteria recommended (3E-2 mg/Kg/d) by State of Massachusetts, Final Policy Document # WSC-02-411. (10.31.2002)

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STATE OF MARYLAND

DEPARTMENT OF THE ENVIRONMENT

CLEANUP STANDARDS FOR SOIL AND GROUNDWATER

JUNE 2008

INTERIM FINAL GUIDANCE

(UPDATE No. 2.1)

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Appendix 1. Risk Assessment Equations and Tables

Groundwater Ingestion:

Noncarcinogenic:

$$C_{water}\,(mg/l) = \frac{HI \times RfD_o \times BW \times AT_n}{IR_{dw} \times EF \times ED} \quad (1)$$

Carcinogenic (age adjusted):

$$C_{water}\,(mg/l) = \frac{CR \times AT_c}{IF_{dw} \times EF \times CSF_o} \quad (2)$$

Carcinogenic:

$$C_{water}\,(mg/l) = \frac{CR \times BW \times AT_c}{IR_{dw} \times EF \times ED \times CSF_o} \quad (3)$$

Inhalation of Volatiles in Groundwater:

Noncarcinogenic:

$$C_{water}\,(mg/l) = \frac{HI \times RfD_i \times BW \times AT_n}{InhR \times EF \times ED \times ET \times VF} \quad (4)$$

Carcinogenic (age adjusted):

$$C_{water}\,(mg/l) = \frac{CR \times AT_c}{IF_{inh} \times EF \times CSF_i \times VF} \quad (5)$$

Carcinogenic:

$$C_{water}\,(mg/l) = \frac{CR \times BW \times AT_c}{InhR \times EF \times ED \times ET \times CSF_i \times VF} \quad (6)$$

Soil Ingestion:

Noncarcinogenic:

$$C_{soil}\,(mg/kg) = \frac{HI \times RfD_o \times BW \times AT_n}{IR_{soil} \times CF \times EF \times ED} \quad (7)$$

Carcinogenic (age adjusted):

$$C_{soil}\,(mg/kg) = \frac{CR \times AT_c}{CF \times IF_{soil} \times EF \times CSF_o} \quad (8)$$

Carcinogenic:

$$C_{soil}\,(mg/kg) = \frac{CR \times BW \times AT_c}{CF \times IR_{soil} \times EF \times ED \times CSF_o} \quad (9)$$

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Appendix 1 - Table 3. Default ingestion parameters used to calculate the risk based concentrations for soil.

	Parameter	Ingestion - Residential				
		Adult	Youth (>6 - <18 Years)	Child (<6 Years)	Construction Worker	Age-Adjusted Resident
IR_{soil}	Ingestion Rate/Soil (mg/day)	100[a, b, c, d]	100[a, b, c, d]	200[a, b]	480[c]	
IF_{soil}	Age-Adjusted Ingestion Factor (mg-yr/kg-day)					127[e]
CF	Conversion Factor (kg/mg)	1E-06 [b]	1E-06[b]	1E-06[b]	1E-06[b]	1E-06[b]
EF	Exposure Frequency (days/year)	350[d, f]	350[d, f]	350[d, f]	250[c, d]	350[d, f]
ED	Exposure Duration (years)	30[a, b]	12[a]	6[a, b]	1[c]	
		Ingestion - Commercial				
IR_{soil}	Ingestion Rate/Soil (mg/day)	50[c, d]	100[a, b, c, d]	200[a, b]	480[c]	
IF_{soil}	Age-Adjusted Ingestion Factor (mg-yr/kg-day)					110 [e]
EF	Exposure Frequency (days/year)	250[c, d]	132[b, g]	132[b, g]	250[c, d]	132[b, g]
ED	Exposure Duration (years)	25[c, d]	12[a]	6[a, b]	1[c]	
		Ingestion - Industrial				
IR_{soil}	Ingestion Rate/Soil (mg/day)	50[c, d]	100[a, b, c, d]		480[c]	
CF	Conversion Factor (kg/mg)	1E-06[b]	1E-06[b]		1E-06[b]	
FI	Fraction Ingested (unitless)	1	1		1	
EF	Exposure Frequency (days/year)	250[c, d]	132[b, g]		250[c, d]	
ED	Exposure Duration (years)	25[c]	12[a]		1[c]	

Note: The following body weight values were used in deriving the standards; 70 kg for the adult and construction worker; 40 kg for youths, and 15 kg for the child population.

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11.2 Recreational Use Soil Cleanup Requirement

Property that has a recreational land use or has a similar projected future land use shall utilize the residential soils Cleanup Standards to evaluate risk. To evaluate risk at such properties, the person undertaking the environmental action at the property shall use a residential scenario or select one of the three recreational scenarios in the site-specific risk assessment process:

Level 1: Public Recreational Areas (High Frequency Use)
Definition: A high frequency public recreational area is any area that is available for recreational use by all populations at the highest potential exposure frequency (youth, child, adult, senior, etc.). Examples may include, but are not limited to, playgrounds, day care facilities, schools, golf courses, and picnic areas.

Frequency: The frequency of visits by all populations is 250 days per year or less.

Level 2: Public Recreational Areas (Moderate Frequency Use)
Definition: A moderate frequency use public recreational area is any area that is available for recreational use by all populations but the frequency of use is less than a high frequency use public recreational area. Such areas may be restricted through the use of fencing, permitting requirements, or other similar restrictions that prevent or hinder unimpeded access to the recreational area. Examples include, but are not limited to, outdoor aquatic facilities, athletic facilities, dog parks, and limited access parks.

Frequency: The frequency of visits by all populations is 182 days per year or less.

Level 3: Open Space Public Recreational Area (Low Frequency Use)
Definition: An open space public recreational use area is defined as any area where access and use is restricted by a combination of:

a) Covenants or other legal restrictions that prohibit the use of the property where such use may impair the flora and fauna in the open space; and
b) Physical environmental barriers impede the use of the open space, including but not limited to swamps, marshes, dense vegetation, and areas with steep inclines that limit the use of open space.

Frequency: The frequency of visits by all populations is 52 days per year or less.

11.3 Industrial Use Soil Cleanup Requirements

a) Tier 2A Commerical Unrestricted
Properties that have commercial unrestricted use or projected commercial unrestricted use are required to remedy hazardous substances in the soil to the applicable non-residential soil standard. Use of either treatment technologies or removal of the hazardous substances in the soil to the applicable soil standard is required for this land use. Attainment of the soil standard must be demonstrated following remedial action. The non-residential soil standard extends to a depth of 15 feet or the zone of saturation. Demonstration of attainment of the soil cleanup standard must also include evaluation of temporal variations in the depth of the zone of saturation.

b) Tier 2B Commercial Restricted
Properties that have commercial restricted use or projected commercial restricted use are required to remedy hazardous substances in the surface soil to the applicable non-residential soil standard. Use of either treatment technologies or removal of the hazardous substances in the soil to the

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Parameter	Definition (units)	Default Value
SFS_{adj}	Age-adjusted dermal exposure factor – (cm^2- event/kg)	3084000
SSA_{1-6}	Skin surface area available for contact during ages 1-6 (cm^2)	6,600
SSA_{7-31}	Skin surface area available for contact during ages 7-31 (cm^2)	18,000
EF_{1-6}	Exposure Frequency ages 1-6 (days/years)	350
EF_{7-31}	Exposure Frequency ages 7-31 (days/years)	350
EV_{1-6}	Exposure Event ages 1-6 (event/day)	1
EV_{7-31}	Exposure Event ages 7-31 (event/day)	1
ED_{1-6}	Exposure duration during ages 1-6 (years)	6
ED_{7-31}	Exposure duration during ages 7-31 (years)	24
BW_{1-6}	Average Body weight during ages 1-6 (kg)	15
BW_{7-31}	Average Body weight during ages 7-31 (kg)	70

Age-Adjusted Dermal Exposure Factor (SFS_{adj}) for Soil[r]

$$SFS_{adj} = \frac{(SSA_{1-6})(AF_{1-6})(ED_{1-6})}{(BW_{1-6})} + \frac{(SSA_{7-31})(AF_{7-31})(ED_{7-31})}{(BW_{7-31})}$$

Parameter	Definition (units)	Default Value
SFS_{adj}	Age-adjusted dermal exposure factor – (mg-yrs/kg-events)	360
AF_{1-6}	Adherence factor of soil to skin for a child (1-6 years) (mg/cm^2-event) (Referred to as contact rate in RAGS, Part A	0.2 (EFH, EPA 1997a
AF_{7-31}	Adherence factor of soil to skin for an adult (7-31 years) (mg/cm^2-event) (Referred to as contact rate in RAGS, Part A)	0.07 (EFH, EPA 1997a)
SSA_{1-6}	Skin surface area available for contact during ages 1-6 (cm^2)	2,800
SSA_{7-31}	Skin surface area available for contact during ages 7-31 (cm^2)	5,700
ED_{1-6}	Exposure duration during ages 1-6 (years)	6
ED_{7-31}	Exposure duration during ages 7-31 (years)	24
BW_{1-6}	Average Body weight during ages 1-6 (kg)	15
BW_{7-31}	Average Body weight during ages 7-31 (kg)	70

Default exposure parameters for groundwater and soil pathways are presented in Tables 1 – 6.

Small child and adult receptor body weight.

APPENDIX E—RISK CHARACTERIZATION TABLES

APPENDIX E.1

BLOCK D

TABLES

E-1.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block D

E-1.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block D

E-1.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block D

E-1.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block D

E-1.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block D

E-1.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block D

FIGURES

E-1.1 Cancer Risk Estimates for Industrial Use – Block D – Surface Soil

E-1.2 Hazard Indices Estimates for Industrial Use – Block D – Surface Soil

E-1.3 Cancer Risk Estimates for Residential Use – Block D – Surface Soil

E-1.4 Hazard Indices Estimates for Residential Use – Block D – Surface Soil

E-1.5 Cancer Risk Estimates for Industrial Use – Block D – Subsurface Soil

E-1.6 Hazard Indices Estimates for Industrial Use – Block D – Subsurface Soil

E-1.7 Cancer Risk Estimates for Residential Use – Block D – Subsurface Soil

E-1.8 Hazard Indices Estimates for Residential Use – Block D – Subsurface Soil

E-1.9 Cancer Risk Estimates for Industrial Use – Block D – Saturated Soil

E-1.10 Hazard Indices Estimates for Industrial Use – Block D – Saturated Soil

E-1.11 Cancer Risk Estimates for Residential Use – Block D – Saturated Soil

E-1.12 Hazard Indices Estimates for Residential Use – Block D – Saturated Soil

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057					SB-058			SB-058A
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-	F-SB-57RE-2-	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH				1	2	2	2		1	2		2
BOTTOM DEPTH				1	2	2	2		1	2		2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.4E-07	6.4E-06	6.2E-06	7.1E-08	2.6E-09	2.6E-09	2.6E-09	2.1E-10	2.5E-06	3.0E-05		1.2E-07
AROCLOR-1260	1.3E-07	1.3E-07	1.3E-07					1.6E-07			1.3E-07	
ANTIMONY												
ARSENIC	6.6E-07	8.8E-08	3.7E-07					8.1E-07			5.5E-07	
CADMIUM	5.9E-11	5.5E-11	5.5E-11					7.0E-11			5.9E-11	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-11	9.2E-11	1.6E-10					4.9E-11			5.5E-11	
VANADIUM												
HEXAVALENT CHROMIUM	2.2E-07	3.9E-07	2.0E-07					3.0E-07			6.6E-07	
TOTAL CANCER RISK	1.7E-06	7.0E-06	6.9E-06	7.1E-08	2.6E-09	2.6E-09	2.6E-09	1.3E-06	2.5E-06	3.0E-05	1.3E-06	1.2E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.4E-05	1.4E-04	1.4E-04	1.5E-06	5.6E-08	5.6E-08	5.6E-08	4.5E-09	5.4E-05	6.5E-04		2.6E-06
AROCLOR-1260	6.7E-07	6.7E-07	6.7E-07					8.2E-07			6.4E-07	
ANTIMONY												
ARSENIC	5.1E-06	6.8E-07	2.8E-06					6.3E-06			4.3E-06	
CADMIUM	1.2E-10	1.1E-10	1.1E-10					1.4E-10			1.2E-10	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	4.8E-11	1.9E-10	3.3E-10					9.8E-11			1.1E-10	
VANADIUM												
HEXAVALENT CHROMIUM	3.3E-06	5.8E-06	2.9E-06					4.5E-06			9.9E-06	
TOTAL CANCER RISK	2.3E-05	1.5E-04	1.4E-04	1.5E-06	5.6E-08	5.6E-08	5.6E-08	1.2E-05	5.4E-05	6.5E-04	1.5E-05	2.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058A		SB-058B	SB-058C	SB-058D	SB-059	SB-060			SB-060A	SB-060B	SB-060C
SAMPLE ID	F-SB-58REA-20091103	F-SB-58REA-20091103	F-SB-58REB-20091103	F-SB-58REC-20091103	F-SB-58RED-20091103	SB-59-SS 20040923	D-SB-60RE-1 20090915	D-SB-60RE-2 20090915	SB-60-SS 20040924	D-SB-60REA-20091012	D-SB-60REB-20091013	D-SB-60REC-20091013
SAMPLE DATE												
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SS	SB	SB	SB
TOP DEPTH	2	2	2	2	2		1	2		1	1	1
BOTTOM DEPTH	2	2	2	2	2		1	2		1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.2E-07	7.2E-07	1.0E-05	2.2E-05	4.5E-07	6.1E-06	7.8E-05	1.6E-07	1.5E-07	6.2E-05	8.2E-08	2.2E-06
AROCLOR-1260						1.3E-07			1.4E-07			
ANTIMONY												
ARSENIC						6.2E-07			2.3E-07			
CADMIUM						5.7E-11			6.1E-11			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						3.7E-11			1.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM						2.6E-07			3.6E-07			
TOTAL CANCER RISK	4.2E-07	7.2E-07	1.0E-05	2.2E-05	4.5E-07	7.1E-06	7.8E-05	1.6E-07	8.8E-07	6.2E-05	8.2E-08	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	9.1E-06	1.6E-05	2.3E-04	4.8E-04	9.8E-06	1.3E-04	1.7E-03	3.5E-06	3.3E-06	1.4E-03	1.8E-06	4.8E-05
AROCLOR-1260						6.4E-07			6.9E-07			
ANTIMONY												
ARSENIC						4.8E-06			1.8E-06			
CADMIUM						1.1E-10			1.2E-10			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						7.4E-11			2.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM						3.9E-06			5.4E-06			
TOTAL CANCER RISK	9.1E-06	1.6E-05	2.3E-04	4.8E-04	9.8E-06	1.4E-04	1.7E-03	3.5E-06	1.1E-05	1.4E-03	1.8E-06	4.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060D	SB-061					SB-061A	SB-061B	SB-061C	SB-061D	SB-062	
SAMPLE ID	D-SB-60RED-20091013	D-SB-61RE-1 20090916	D-SB-61RE-2 20090916	D-SB-61RE-2-20090916	D-SB-61RE-2-20090916	SB-61-SS 20040924	D-SB-61REA-20091012	D-SB-61REB-20091012	D-SB-61REC-20091012	D-SB-61RED-20091012	D-SB-62RE-1 20090914	D-SB-62RE-2 20090914
SAMPLE DATE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB
SUBMATRIX	1	1	2	2	2		1	1	1	1	1	2
TOP DEPTH	1	1	2	2	2		1	1	1	1	1	2
BOTTOM DEPTH												
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.4E-05	6.0E-08	2.8E-09	2.0E-08	3.8E-08		5.3E-07	8.0E-08	1.3E-06	2.8E-07	2.2E-05	3.7E-06
AROCLOR-1260						1.5E-07						
ANTIMONY												
ARSENIC						1.0E-07						
CADMIUM						6.4E-11						
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						5.3E-11						
VANADIUM												
HEXAVALENT CHROMIUM						5.0E-07						
TOTAL CANCER RISK	3.4E-05	6.0E-08	2.8E-09	2.0E-08	3.8E-08	7.5E-07	5.3E-07	8.0E-08	1.3E-06	2.8E-07	2.2E-05	3.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	7.3E-04	1.3E-06	6.0E-08	4.4E-07	8.3E-07		1.1E-05	1.7E-06	2.9E-05	6.1E-06	4.8E-04	8.0E-05
AROCLOR-1260						7.7E-07						
ANTIMONY												
ARSENIC						8.0E-07						
CADMIUM						1.3E-10						
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						1.1E-10						
VANADIUM												
HEXAVALENT CHROMIUM						7.4E-06						
TOTAL CANCER RISK	7.3E-04	1.3E-06	6.0E-08	4.4E-07	8.3E-07	9.0E-06	1.1E-05	1.7E-06	2.9E-05	6.1E-06	4.8E-04	8.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063					SB-063A	SB-063B
SAMPLE ID	SB-62-SS	D-SB-62REA-	D-SB-62REB-	D-SB-62REC-	D-SB-62RED-	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-	D-SB-63RE-2-	SB-63-SS	D-SB-63REA-	D-SB-63REB-
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB	SS	SB	SB
TOP DEPTH		1	1	1	1	1	2	2	2		2	2
BOTTOM DEPTH		1	1	1	1	1	2	2	2		2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-05	1.6E-07	1.9E-06	9.0E-06	5.8E-05	4.8E-07	3.7E-07	2.3E-07	9.4E-08	1.8E-09	6.0E-08	2.6E-09
AROCLOR-1260	1.3E-07									1.7E-07		
ANTIMONY												
ARSENIC	2.3E-07									3.4E-07		
CADMIUM	5.7E-11									7.5E-11		
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	6.6E-11									8.5E-11		
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-07									6.9E-07		
TOTAL CANCER RISK	2.7E-05	1.6E-07	1.9E-06	9.0E-06	5.8E-05	4.8E-07	3.7E-07	2.3E-07	9.4E-08	1.2E-06	6.0E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.7E-04	3.4E-06	4.1E-05	1.9E-04	1.3E-03	1.0E-05	8.0E-06	5.0E-06	2.0E-06	4.0E-08	1.3E-06	5.6E-08
AROCLOR-1260	6.7E-07									8.7E-07		
ANTIMONY												
ARSENIC	1.8E-06									2.7E-06		
CADMIUM	1.1E-10									1.5E-10		
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.3E-10									1.7E-10		
VANADIUM												
HEXAVALENT CHROMIUM	5.4E-06									1.0E-05		
TOTAL CANCER RISK	5.8E-04	3.4E-06	4.1E-05	1.9E-04	1.3E-03	1.0E-05	8.0E-06	5.0E-06	2.0E-06	1.4E-05	1.3E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063C	SB-063D	SB-064	SB-065			SB-066			SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-63REC-20091013	D-SB-63RED-20091013	SB-64-SS 20040924	D-SB-65RE-1 20090916	D-SB-65RE-2 20090916	SB-65-SS 20040917	D-SB-66RE-1 20090914	D-SB-66RE-2 20090914	SB-66-SS 20040923	D-SB-66REA-20091014	D-SB-66REB-20091014	D-SB-66REC-20091014
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB	SB
TOP DEPTH	2	2		1	2		1	2		2	2	2
BOTTOM DEPTH	2	2		1	2		1	2		2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.5E-09	2.8E-09	1.5E-05	2.4E-09	6.4E-08		1.8E-07	5.1E-06	2.2E-09	6.0E-08	9.0E-09	1.3E-07
AROCLOR-1260			1.6E-07			1.3E-07			1.5E-07			
ANTIMONY												
ARSENIC			2.7E-07			2.0E-07			1.8E-06			
CADMIUM			6.8E-11			5.9E-11			6.4E-11			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			9.8E-11			6.3E-11			5.6E-11			
VANADIUM												
HEXAVALENT CHROMIUM			5.0E-07			8.5E-08			9.9E-07			
TOTAL CANCER RISK	9.5E-09	2.8E-09	1.5E-05	2.4E-09	6.4E-08	4.2E-07	1.8E-07	5.1E-06	2.9E-06	6.0E-08	9.0E-09	1.3E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.1E-07	6.0E-08	3.2E-04	5.3E-08	1.4E-06		4.0E-06	1.1E-04	4.8E-08	1.3E-06	1.9E-07	2.9E-06
AROCLOR-1260			7.9E-07			6.7E-07			7.4E-07			
ANTIMONY												
ARSENIC			2.1E-06			1.5E-06			1.4E-05			
CADMIUM			1.4E-10			1.2E-10			1.3E-10			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			2.0E-10			1.3E-10			1.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM			7.4E-06			1.3E-06			1.5E-05			
TOTAL CANCER RISK	2.1E-07	6.0E-08	3.3E-04	5.3E-08	1.4E-06	3.5E-06	4.0E-06	1.1E-04	3.0E-05	1.3E-06	1.9E-07	2.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066D	SB-067	SB-239						SB-240			
SAMPLE ID	D-SB-66RED-20091014	SB-67-SS 20040927	D-SB-239RE-20090914	D-SB-239RE-20090914	D-SB-239RE-20090914	SB-239-20050607	SB-239-20050607	SB-239-SS[6] 20050607	D-SB-240RE-20090914	D-SB-240RE-20090914	SB-240-20050607	SB-240-20050607
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB
TOP DEPTH	2		2	2	2	1	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	2		2	2	2	1	1.5	0.5	1	2	1	1.5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	3.3E-05	1.0E-06	5.5E-07	6.5E-08	1.2E-06	1.9E-06	4.5E-07	8.2E-06	2.6E-09	2.9E-07	6.1E-07
AROCLOR-1260		1.3E-07										
ANTIMONY												
ARSENIC		4.0E-07										
CADMIUM		5.9E-11										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL		9.8E-11										
VANADIUM												
HEXAVALENT CHROMIUM		5.8E-07										
TOTAL CANCER RISK	2.6E-09	3.4E-05	1.0E-06	5.5E-07	6.5E-08	1.2E-06	1.9E-06	4.5E-07	8.2E-06	2.6E-09	2.9E-07	6.1E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	7.1E-04	2.2E-05	1.2E-05	1.4E-06	2.6E-05	4.0E-05	9.7E-06	1.8E-04	5.6E-08	6.2E-06	1.3E-05
AROCLOR-1260		6.4E-07										
ANTIMONY												
ARSENIC		3.1E-06										
CADMIUM		1.2E-10										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL		2.0E-10										
VANADIUM												
HEXAVALENT CHROMIUM		8.7E-06										
TOTAL CANCER RISK	5.6E-08	7.2E-04	2.2E-05	1.2E-05	1.4E-06	2.6E-05	4.0E-05	9.7E-06	1.8E-04	5.6E-08	6.2E-06	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241			SB-242			SB-243
SAMPLE ID	SB-240-SS[6]	D-SB-20091014	D-SB-20091013	D-SB-20091013	D-SB-20091013	SB-241-20050607	SB-241-20050607	SB-241-SS[6] 20050607	SB-242-20050607	SB-242-20050607	SB-242-SS[6] 20050607	D-SB-243RE-20090915
SAMPLE DATE	20050607											
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1	1	1	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1	1	1	1	1.5	0.5	1	1.5	0.5	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.5E-07	1.3E-06	4.7E-05	1.5E-07	1.5E-07	5.4E-07	4.7E-07	5.7E-07	5.3E-07	2.8E-07	6.3E-07	1.1E-05
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.5E-07	1.3E-06	4.7E-05	1.5E-07	1.5E-07	5.4E-07	4.7E-07	5.7E-07	5.3E-07	2.8E-07	6.3E-07	1.1E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.4E-06	2.8E-05	1.0E-03	3.3E-06	3.4E-06	1.2E-05	1.0E-05	1.2E-05	1.1E-05	6.0E-06	1.4E-05	2.5E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.4E-06	2.8E-05	1.0E-03	3.3E-06	3.4E-06	1.2E-05	1.0E-05	1.2E-05	1.1E-05	6.0E-06	1.4E-05	2.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-243				SB-243A	SB-243B	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243RE-20090915	SB-243-20050607	SB-243-20050607	SB-243-SS[6]20050607	D-SB-20091012	D-SB-20091012	D-SB-20091012	D-SB-20091012	D-SB-592-220090914	D-SB-592A-220091015	D-SB-592B-220091016	D-SB-592D-220091016
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.1E-08	5.6E-07	3.1E-07	2.9E-07	4.7E-07	2.8E-09	5.0E-08	5.5E-08	1.3E-07	2.4E-08	1.1E-07	1.8E-07
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.1E-08	5.6E-07	3.1E-07	2.9E-07	4.7E-07	2.8E-09	5.0E-08	5.5E-08	1.3E-07	2.4E-08	1.1E-07	1.8E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	1.2E-05	6.8E-06	6.4E-06	1.0E-05	6.0E-08	1.1E-06	1.2E-06	2.8E-06	5.3E-07	2.4E-06	4.0E-06
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.2E-05	6.8E-06	6.4E-06	1.0E-05	6.0E-08	1.1E-06	1.2E-06	2.8E-06	5.3E-07	2.4E-06	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-593	SB-594	SB-595	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771	SB-772	SB-773	SB-774	SB-775
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2	D-SB-766-	D-SS-767-	D-SS-768-	D-SS-769-	D-SS-770-	D-SB-771-	D-SS-772-	D-SS-773-	D-SB-774-	D-SS-775-
SAMPLE DATE	20090914	20090914	20090914	20100827	20100830	20100830	20100830	20100830	20100910	20100830	20100831	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2										
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND	1.1E-07	3.2E-07	3.0E-07	6.2E-09	1.1E-07	2.7E-07	1.4E-07	6.2E-08	3.9E-05	1.6E-07	6.8E-09	3.9E-05	6.9E-09
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	3.2E-07	3.0E-07	6.2E-09	1.1E-07	2.7E-07	1.4E-07	6.2E-08	3.9E-05	1.6E-07	6.8E-09	3.9E-05	6.9E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	2.4E-06	6.9E-06	6.4E-06	1.4E-07	2.4E-06	5.9E-06	2.9E-06	1.3E-06	8.5E-04	3.4E-06	1.5E-07	8.5E-04	1.5E-07
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.4E-06	6.9E-06	6.4E-06	1.4E-07	2.4E-06	5.9E-06	2.9E-06	1.3E-06	8.5E-04	3.4E-06	1.5E-07	8.5E-04	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-776	SB-777	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783	SB-784	SB-785	SB-786	SB-787	SB-788
SAMPLE ID	D-SS-776-20100831	D-SB-777-20100910	D-SS-778-20100831	D-SS-779-20100901	D-SS-780-20100901	D-SS-781-20100901	D-SS-782-20100902	D-SS-783-20100902	D-SS-784-20100902	D-SS-785-20100903	D-SS-786-20100903	D-SS-787-20100903	D-SB-788-20100908
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
SUBMATRIX													
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH													
INDUSTRIAL													
BAP EQUIVALENT-HALFND	6.9E-09	1.6E-06	6.6E-09	1.8E-08	6.9E-09	2.9E-05	4.5E-07	7.5E-07	1.4E-07	6.2E-09	2.0E-06	2.5E-07	3.7E-07
AROCLOR-1260							9.0E-09	9.5E-09	9.5E-09	9.0E-09	1.0E-08	1.0E-08	9.0E-09
ANTIMONY													
ARSENIC							8.1E-07	8.8E-07	1.0E-06	5.9E-07	2.2E-06	1.9E-06	3.5E-07
CADMIUM							1.1E-11	5.0E-12	1.0E-12	1.9E-13	5.0E-12	1.8E-11	1.9E-13
COBALT							4.5E-10	7.3E-10	1.5E-09	1.5E-10	2.0E-09	6.2E-09	3.4E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL							3.3E-11	3.4E-11	3.7E-11	5.5E-12	1.4E-10	2.7E-10	2.2E-11
VANADIUM													
HEXAVALENT CHROMIUM							2.5E-07	2.5E-07	2.3E-07	3.9E-07	5.7E-07	5.1E-07	3.4E-07
TOTAL CANCER RISK	6.9E-09	1.6E-06	6.6E-09	1.8E-08	6.9E-09	2.9E-05	1.5E-06	1.9E-06	1.4E-06	9.9E-07	4.8E-06	2.7E-06	1.1E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.5E-07	3.5E-05	1.4E-07	3.9E-07	1.5E-07	6.2E-04	9.8E-06	1.6E-05	3.0E-06	1.4E-07	4.3E-05	5.4E-06	7.9E-06
AROCLOR-1260							4.5E-08	4.7E-08	4.7E-08	4.5E-08	5.0E-08	5.0E-08	4.5E-08
ANTIMONY													
ARSENIC							6.3E-06	6.8E-06	8.0E-06	4.6E-06	1.7E-05	1.5E-05	2.7E-06
CADMIUM							2.2E-11	1.0E-11	2.1E-12	3.8E-13	1.0E-11	3.7E-11	3.8E-13
COBALT							9.2E-10	1.5E-09	2.9E-09	3.0E-10	4.1E-09	1.3E-08	6.9E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL							6.7E-11	6.9E-11	7.4E-11	1.1E-11	2.7E-10	5.4E-10	4.4E-11
VANADIUM													
HEXAVALENT CHROMIUM							3.7E-06	3.7E-06	3.5E-06	5.9E-06	8.6E-06	7.7E-06	5.1E-06
TOTAL CANCER RISK	1.5E-07	3.5E-05	1.4E-07	3.9E-07	1.5E-07	6.2E-04	2.0E-05	2.7E-05	1.5E-05	1.1E-05	6.9E-05	2.8E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-789	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795	SB-796
SAMPLE ID	D-SB-789-20100908	D-SB-790-20100908	D-SB-791-20100909	D-SB-792-20100909	D-SB-793-20100909	D-SB-794-20100909	D-SB-795-20100909	D-SB-796-20100910
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS	SS	SS	SS	SS
SUBMATRIX								
TOP DEPTH	1	1	1	1	1	1	1	1
BOTTOM DEPTH								
INDUSTRIAL								
BAP EQUIVALENT-HALFND	7.7E-08	6.4E-08	6.1E-09	1.4E-08	5.8E-08	2.5E-06	1.3E-07	2.7E-07
AROCLOR-1260	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.5E-09	2.0E-08	9.5E-09	1.0E-08
ANTIMONY								
ARSENIC	6.2E-07	2.6E-07	2.6E-07	8.4E-07	1.6E-06	1.6E-06	9.5E-07	1.8E-06
CADMIUM	5.5E-13	1.9E-13	1.9E-13	1.8E-12	2.1E-12	6.1E-12	2.5E-13	2.4E-12
COBALT	4.1E-10	1.2E-10	1.1E-10	9.1E-10	1.7E-09	3.2E-09	3.2E-10	2.5E-09
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL	2.0E-11	4.2E-12	5.0E-12	5.1E-11	9.8E-11	1.4E-10	1.8E-11	1.6E-10
VANADIUM								
HEXAVALENT CHROMIUM	3.1E-07	2.3E-07	2.4E-07	3.2E-07	5.9E-07	4.5E-07	7.2E-07	5.3E-07
TOTAL CANCER RISK	1.0E-06	5.6E-07	5.2E-07	1.2E-06	2.3E-06	4.5E-06	1.8E-06	2.6E-06
RESIDENTIAL								
BAP EQUIVALENT-HALFND	1.7E-06	1.4E-06	1.3E-07	3.1E-07	1.3E-06	5.4E-05	2.9E-06	6.0E-06
AROCLOR-1260	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.7E-08	9.9E-08	4.7E-08	5.0E-08
ANTIMONY								
ARSENIC	4.8E-06	2.0E-06	2.1E-06	6.6E-06	1.3E-05	1.2E-05	7.4E-06	1.4E-05
CADMIUM	1.1E-12	3.8E-13	3.8E-13	3.7E-12	4.3E-12	1.2E-11	5.0E-13	4.9E-12
COBALT	8.2E-10	2.4E-10	2.3E-10	1.8E-09	3.5E-09	6.5E-09	6.4E-10	5.0E-09
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL	4.1E-11	8.5E-12	1.0E-11	1.0E-10	2.0E-10	2.8E-10	3.6E-11	3.3E-10
VANADIUM								
HEXAVALENT CHROMIUM	4.7E-06	3.4E-06	3.5E-06	4.8E-06	8.9E-06	6.7E-06	1.1E-05	8.0E-06
TOTAL CANCER RISK	1.1E-05	6.8E-06	5.8E-06	1.2E-05	2.3E-05	7.3E-05	2.1E-05	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-058	SB-059	SB-060	SB-061	SB-062	SB-063	SB-064	SB-065
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	SB-57-SS	SB-58-SS	SB-59-SS	SB-60-SS	SB-61-SS	SB-62-SS	SB-63-SS	SB-64-SS	SB-65-SS
SAMPLE DATE	20040913	20040924	20040917	20040913	20040913	20040923	20040924	20040924	20040923	20040924	20040924	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH												
BOTTOM DEPTH												
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1260												
ANTIMONY		2.8E-03				2.9E-03	3.1E-03	3.2E-03	2.9E-03	3.8E-03	3.4E-03	
ARSENIC	4.1E-03	5.5E-04	2.3E-03	5.0E-03	3.4E-03	3.9E-03	1.4E-03	6.4E-04	1.4E-03	2.1E-03	1.7E-03	1.2E-03
CADMIUM	1.6E-03	1.5E-03	1.5E-03	1.9E-03	1.6E-03	1.6E-03	1.7E-03	1.7E-03	1.6E-03	2.1E-03	1.9E-03	1.6E-03
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	2.6E-04	2.3E-04	2.3E-04	3.1E-04	2.4E-04	2.3E-04	2.6E-04	2.6E-04	2.4E-04	3.1E-04	2.8E-04	2.6E-04
MOLYBDENUM												
NICKEL	3.8E-04	1.5E-03	2.6E-03	7.8E-04	8.9E-04	5.9E-04	1.7E-03	8.6E-04	1.1E-03	1.4E-03	1.6E-03	1.0E-03
VANADIUM												
HEXAVALENT CHROMIUM	4.0E-04	7.2E-04	3.6E-04	5.6E-04	1.2E-03	4.8E-04	6.7E-04	9.2E-04	6.7E-04	1.3E-03	9.2E-04	1.6E-04
TOTAL HAZARD INDEX	6.8E-03	7.2E-03	7.0E-03	8.6E-03	7.4E-03	9.6E-03	8.8E-03	7.6E-03	7.8E-03	1.1E-02	9.8E-03	4.3E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1260												
ANTIMONY		4.6E-02				4.7E-02	5.1E-02	5.3E-02	4.7E-02	6.3E-02	5.7E-02	
ARSENIC	8.3E-02	1.1E-02	4.6E-02	1.0E-01	6.9E-02	7.9E-02	2.9E-02	1.3E-02	2.9E-02	4.3E-02	3.4E-02	2.5E-02
CADMIUM	3.5E-02	3.2E-02	3.2E-02	4.2E-02	3.5E-02	3.4E-02	3.6E-02	3.8E-02	3.4E-02	4.5E-02	4.1E-02	3.5E-02
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-03	2.9E-03	2.9E-03	3.9E-03	3.0E-03	3.0E-03	3.3E-03	3.3E-03	3.0E-03	3.9E-03	3.6E-03	3.3E-03
MOLYBDENUM												
NICKEL	3.9E-03	1.5E-02	2.7E-02	8.1E-03	9.2E-03	6.1E-03	1.7E-02	8.8E-03	1.1E-02	1.4E-02	1.6E-02	1.0E-02
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-03	6.3E-03	3.2E-03	5.0E-03	1.1E-02	4.2E-03	5.9E-03	8.1E-03	5.9E-03	1.1E-02	8.1E-03	1.4E-03
TOTAL HAZARD INDEX	1.3E-01	1.1E-01	1.1E-01	1.6E-01	1.3E-01	1.7E-01	1.4E-01	1.2E-01	1.3E-01	1.8E-01	1.6E-01	7.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066	SB-067	SB-782	SB-783	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789	SB-790	SB-791	SB-792
SAMPLE ID	SB-66-SS	SB-67-SS	D-SS-782-20100902	D-SS-783-20100902	D-SS-784-20100902	D-SS-785-20100903	D-SS-786-20100903	D-SS-787-20100903	D-SB-788-20100908	D-SB-789-20100908	D-SB-790-20100908	D-SB-791-20100909	D-SB-792-20100909
SAMPLE DATE	20040923	20040927											
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH													
BOTTOM DEPTH			1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1260													
ANTIMONY	3.2E-03	6.9E-03	3.4E-04	2.9E-04	8.7E-05	1.4E-04	5.5E-04	4.4E-04	7.8E-05	1.3E-04	3.0E-05	2.9E-05	1.3E-04
ARSENIC	1.1E-02	2.5E-03	5.0E-03	5.5E-03	6.4E-03	3.7E-03	1.4E-02	1.2E-02	2.2E-03	3.9E-03	1.6E-03	1.6E-03	5.2E-03
CADMIUM	1.7E-03	1.6E-03	3.0E-04	1.4E-04	2.9E-05	5.2E-06	1.4E-04	5.0E-04	5.2E-06	1.5E-05	5.2E-06	5.1E-06	5.0E-05
COBALT			3.7E-03	5.9E-03	1.2E-02	1.2E-03	1.7E-02	5.1E-02	2.8E-03	3.3E-03	9.7E-04	9.3E-04	7.4E-03
IRON			6.0E-03	4.8E-03	4.0E-03	5.2E-03	2.0E-02	1.7E-02	4.3E-03	3.7E-03	3.1E-03	3.5E-03	7.8E-03
LEAD													
MANGANESE			9.1E-03	2.7E-03	2.2E-03	8.4E-04	9.1E-03	6.3E-03	2.5E-03	9.6E-04	1.2E-03	8.4E-04	1.1E-02
MERCURY	2.6E-04	2.6E-04	3.8E-04	3.6E-04	2.4E-04	3.8E-05	1.2E-03	2.3E-03	3.8E-05	8.9E-05	3.8E-05	3.8E-05	8.0E-04
MOLYBDENUM			5.0E-05	4.2E-05	3.7E-05	4.4E-05	6.2E-05	5.0E-05	2.5E-05	3.4E-05	1.6E-05	7.8E-06	5.5E-05
NICKEL	9.1E-04	1.6E-03	5.4E-04	5.5E-04	5.9E-04	8.9E-05	2.2E-03	4.3E-03	3.5E-04	3.3E-04	6.8E-05	8.1E-05	8.2E-04
VANADIUM			1.6E-03	1.7E-03	1.7E-03	2.1E-03	3.8E-03	3.2E-03	1.3E-03	1.9E-03	1.2E-03	1.4E-03	1.8E-03
HEXAVALENT CHROMIUM	1.8E-03	1.1E-03	4.6E-04	4.7E-04	4.4E-04	7.3E-04	1.1E-03	9.5E-04	6.4E-04	5.8E-04	4.2E-04	4.4E-04	5.9E-04
TOTAL HAZARD INDEX	1.9E-02	1.4E-02	2.7E-02	2.3E-02	2.8E-02	1.4E-02	6.8E-02	9.8E-02	1.4E-02	1.5E-02	8.7E-03	8.9E-03	3.6E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1260													
ANTIMONY	5.3E-02	1.1E-01	5.7E-03	4.7E-03	1.4E-03	2.4E-03	9.1E-03	7.2E-03	1.3E-03	2.1E-03	4.9E-04	4.7E-04	2.1E-03
ARSENIC	2.3E-01	5.1E-02	1.0E-01	1.1E-01	1.3E-01	7.4E-02	2.8E-01	2.4E-01	4.4E-02	7.9E-02	3.3E-02	3.3E-02	1.1E-01
CADMIUM	3.8E-02	3.5E-02	6.5E-03	3.0E-03	6.2E-04	1.1E-04	3.0E-03	1.1E-02	1.1E-04	3.2E-04	1.1E-04	1.1E-04	1.1E-03
COBALT			8.8E-02	1.4E-01	2.8E-01	2.9E-02	3.9E-01	1.2E+00	6.6E-02	7.9E-02	2.3E-02	2.2E-02	1.8E-01
IRON			1.4E-01	1.1E-01	9.6E-02	1.2E-01	4.8E-01	4.0E-01	1.0E-01	8.8E-02	7.3E-02	8.4E-02	1.9E-01
LEAD													
MANGANESE			9.3E-02	2.8E-02	2.3E-02	8.6E-03	9.3E-02	6.4E-02	2.6E-02	9.8E-03	1.3E-02	8.6E-03	1.1E-01
MERCURY	3.3E-03	3.3E-03	4.8E-03	4.6E-03	3.0E-03	4.8E-04	1.5E-02	2.9E-02	4.8E-04	1.1E-03	4.8E-04	4.8E-04	1.0E-02
MOLYBDENUM			1.2E-03	1.0E-03	8.7E-04	1.1E-03	1.5E-03	1.2E-03	6.0E-04	8.1E-04	3.7E-04	1.8E-04	1.3E-03
NICKEL	9.4E-03	1.6E-02	5.6E-03	5.7E-03	6.1E-03	9.2E-04	2.3E-02	4.4E-02	3.6E-03	3.4E-03	7.0E-04	8.3E-04	8.4E-03
VANADIUM			3.7E-02	4.1E-02	4.0E-02	4.9E-02	9.0E-02	7.7E-02	3.2E-02	4.6E-02	2.9E-02	3.2E-02	4.4E-02
HEXAVALENT CHROMIUM	1.6E-02	9.5E-03	4.1E-03	4.1E-03	3.8E-03	6.4E-03	9.4E-03	8.4E-03	5.6E-03	5.1E-03	3.7E-03	3.9E-03	5.2E-03
TOTAL HAZARD INDEX	3.5E-01	2.3E-01	4.9E-01	4.6E-01	5.8E-01	3.0E-01	1.4E+00	2.1E+00	2.8E-01	3.1E-01	1.8E-01	1.9E-01	6.5E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-793	SB-794	SB-795	SB-796
SAMPLE ID	D-SB-793-20100909	D-SB-794-20100909	D-SB-795-20100909	D-SB-796-20100910
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS
SUBMATRIX				
TOP DEPTH	1	1	1	1
BOTTOM DEPTH				
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1260				
ANTIMONY	2.3E-04	9.4E-04	9.8E-05	8.5E-04
ARSENIC	1.0E-02	9.8E-03	5.9E-03	1.1E-02
CADMIUM	5.8E-05	1.7E-04	6.8E-06	6.6E-05
COBALT	1.4E-02	2.6E-02	2.6E-03	2.0E-02
IRON	1.7E-02	1.6E-02	8.1E-03	1.8E-02
LEAD				
MANGANESE	3.5E-03	1.6E-02	1.4E-03	7.1E-03
MERCURY	3.2E-04	8.0E-03	4.3E-04	2.6E-03
MOLYBDENUM	5.0E-05	5.8E-05	2.9E-05	6.8E-05
NICKEL	1.6E-03	2.3E-03	2.9E-04	2.6E-03
VANADIUM	4.8E-03	2.9E-03	2.1E-03	3.2E-03
HEXAVALENT CHROMIUM	1.1E-03	8.3E-04	1.3E-03	9.9E-04
TOTAL HAZARD INDEX	5.3E-02	8.3E-02	2.2E-02	6.7E-02
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1260				
ANTIMONY	3.8E-03	1.6E-02	1.6E-03	1.4E-02
ARSENIC	2.1E-01	2.0E-01	1.2E-01	2.3E-01
CADMIUM	1.3E-03	3.6E-03	1.5E-04	1.4E-03
COBALT	3.4E-01	6.2E-01	6.1E-02	4.8E-01
IRON	4.0E-01	3.8E-01	1.9E-01	4.3E-01
LEAD				
MANGANESE	3.6E-02	1.7E-01	1.4E-02	7.3E-02
MERCURY	4.1E-03	1.0E-01	5.4E-03	3.3E-02
MOLYBDENUM	1.2E-03	1.4E-03	6.8E-04	1.6E-03
NICKEL	1.6E-02	2.3E-02	2.9E-03	2.7E-02
VANADIUM	1.1E-01	6.8E-02	5.1E-02	7.6E-02
HEXAVALENT CHROMIUM	9.8E-03	7.3E-03	1.2E-02	8.7E-03
TOTAL HAZARD INDEX	1.1E+00	1.6E+00	4.6E-01	1.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057									
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05	SB-57-10
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20040913	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4	5	6	7	8	9	5	10
BOTTOM DEPTH	5	5	5	10	3	4	5	6	7	8	9	5	10
INDUSTRIAL													
BAP EQUIVALENT-HALFND	6.9E-07	1.5E-06	3.3E-06	2.9E-09	2.4E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09		
NAPHTHALENE	1.3E-10	4.1E-09	1.5E-10									1.3E-10	1.3E-10
AROCLOR-1260	2.9E-08	3.3E-08	3.4E-08									1.4E-07	1.6E-07
ARSENIC		9.1E-07	1.8E-06									2.4E-07	6.6E-07
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	7.4E-07	5.0E-07	6.3E-07									2.4E-07	2.6E-07
TOTAL CANCER RISK	1.5E-06	3.0E-06	5.7E-06	2.9E-09	2.4E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	6.1E-07	1.1E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.5E-05	3.3E-05	7.1E-05	6.4E-08	5.3E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08		
NAPHTHALENE	6.5E-10		7.6E-10									6.5E-10	6.5E-10
AROCLOR-1260	1.5E-07	1.7E-07	1.7E-07									6.9E-07	7.9E-07
ARSENIC		7.1E-06	1.4E-05									1.9E-06	5.1E-06
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	1.1E-05	7.4E-06	9.5E-06									3.6E-06	3.9E-06
TOTAL CANCER RISK	2.6E-05	4.8E-05	9.5E-05	6.4E-08	5.3E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.1E-06	9.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058										
SAMPLE ID	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	8	8	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	8	8	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	5.5E-07	2.8E-09	2.2E-08	4.0E-08	1.5E-06	3.5E-07
NAPHTHALENE											1.3E-10
AROCLOR-1260											1.5E-07
ARSENIC											8.4E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											5.2E-07
TOTAL CANCER RISK	1.4E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	5.5E-07	2.8E-09	2.2E-08	4.0E-08	1.5E-06	1.9E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.1E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	1.2E-05	6.0E-08	4.7E-07	8.7E-07	3.3E-05	7.5E-06
NAPHTHALENE											6.5E-10
AROCLOR-1260											7.7E-07
ARSENIC											6.6E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											7.9E-06
TOTAL CANCER RISK	3.1E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	1.2E-05	6.0E-08	4.7E-07	8.7E-07	3.3E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-058A				SB-058B				
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10	4	4	4	6
BOTTOM DEPTH	10	10	4	6	8	10	4	4	4	6
INDUSTRIAL										
BAP EQUIVALENT-HALFND		9.4E-08	5.5E-08	4.2E-07	1.0E-07	5.4E-08	1.4E-07	1.0E-07	6.6E-08	2.9E-07
NAPHTHALENE	1.3E-10									
AROCLOR-1260	1.5E-07									
ARSENIC	1.5E-06									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	4.1E-07									
TOTAL CANCER RISK	2.1E-06	9.4E-08	5.5E-08	4.2E-07	1.0E-07	5.4E-08	1.4E-07	1.0E-07	6.6E-08	2.9E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND		2.0E-06	1.2E-06	9.1E-06	2.2E-06	1.2E-06	3.0E-06	2.2E-06	1.4E-06	6.4E-06
NAPHTHALENE	6.5E-10									
AROCLOR-1260	7.7E-07									
ARSENIC	1.2E-05									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	6.2E-06									
TOTAL CANCER RISK	1.9E-05	2.0E-06	1.2E-06	9.1E-06	2.2E-06	1.2E-06	3.0E-06	2.2E-06	1.4E-06	6.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-058C				SB-058D				SB-059	
SAMPLE ID	F-SB-58REB-8	F-SB-58REC-10	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6	F-SB-58RED-8	SB-59-05	SB-59-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20040923	20040923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	5	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.2E-09	5.8E-08	8.6E-08	1.5E-07	1.7E-08	5.8E-08	3.2E-07	1.6E-06	1.3E-07	1.1E-05	1.0E-05
NAPHTHALENE										1.3E-10	1.3E-10
AROCLOR-1260										1.4E-07	1.4E-07
ARSENIC										1.4E-06	9.1E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM										8.3E-07	3.9E-07
TOTAL CANCER RISK	9.2E-09	5.8E-08	8.6E-08	1.5E-07	1.7E-08	5.8E-08	3.2E-07	1.6E-06	1.3E-07	1.3E-05	1.2E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.0E-07	1.3E-06	1.9E-06	3.3E-06	3.6E-07	1.3E-06	7.0E-06	3.6E-05	2.9E-06	2.3E-04	2.2E-04
NAPHTHALENE										6.5E-10	6.5E-10
AROCLOR-1260										6.9E-07	7.2E-07
ARSENIC										1.1E-05	7.1E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM										1.2E-05	5.8E-06
TOTAL CANCER RISK	2.0E-07	1.3E-06	1.9E-06	3.3E-06	3.6E-07	1.3E-06	7.0E-06	3.6E-05	2.9E-06	2.6E-04	2.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060										
SAMPLE ID	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D	D-SB-60RE-9	SB-60-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	8	8	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	8	8	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-08	9.4E-08	7.0E-06	2.8E-09	2.9E-09	2.9E-09	2.9E-09	2.8E-09	2.6E-09	
NAPHTHALENE											1.3E-10
AROCLOR-1260											1.5E-07
ARSENIC											3.7E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											1.7E-06
TOTAL CANCER RISK	2.6E-09	1.2E-08	9.4E-08	7.0E-06	2.8E-09	2.9E-09	2.9E-09	2.9E-09	2.8E-09	2.6E-09	2.2E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	2.6E-07	2.0E-06	1.5E-04	6.0E-08	6.4E-08	6.4E-08	6.2E-08	6.0E-08	5.6E-08	
NAPHTHALENE											6.5E-10
AROCLOR-1260											7.4E-07
ARSENIC											2.8E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											2.5E-05
TOTAL CANCER RISK	5.6E-08	2.6E-07	2.0E-06	1.5E-04	6.0E-08	6.4E-08	6.4E-08	6.2E-08	6.0E-08	5.6E-08	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-060A					SB-060B			
SAMPLE ID	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20040924	20091012	20091012	20091012	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	3	3	5	7	3	5	7	3
BOTTOM DEPTH	10	3	3	3	5	7	3	5	7	3
INDUSTRIAL										
BAP EQUIVALENT-HALFND		1.2E-06	3.0E-06	4.7E-06	6.9E-08	2.6E-09	2.6E-09	1.6E-07	1.1E-07	2.8E-09
NAPHTHALENE	1.3E-10									
AROCLOR-1260	1.4E-07									
ARSENIC	8.8E-07									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	3.3E-06									
TOTAL CANCER RISK	4.3E-06	1.2E-06	3.0E-06	4.7E-06	6.9E-08	2.6E-09	2.6E-09	1.6E-07	1.1E-07	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND		2.7E-05	6.4E-05	1.0E-04	1.5E-06	5.6E-08	5.6E-08	3.4E-06	2.5E-06	6.0E-08
NAPHTHALENE	6.5E-10									
AROCLOR-1260	7.2E-07									
ARSENIC	6.8E-06									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	5.0E-05									
TOTAL CANCER RISK	5.7E-05	2.7E-05	6.4E-05	1.0E-04	1.5E-06	5.6E-08	5.6E-08	3.4E-06	2.5E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060C		SB-060D							
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090916	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	10	3	4
BOTTOM DEPTH	5	7	3	5	7	7	7	10	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.8E-08	2.6E-09	7.0E-07	1.5E-07	2.8E-09	2.7E-09	2.6E-09	1.2E-06	1.0E-08	1.1E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	4.8E-08	2.6E-09	7.0E-07	1.5E-07	2.8E-09	2.7E-09	2.6E-09	1.2E-06	1.0E-08	1.1E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.0E-06	5.6E-08	1.5E-05	3.2E-06	6.0E-08	5.8E-08	5.6E-08	2.6E-05	2.2E-07	2.4E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.0E-06	5.6E-08	1.5E-05	3.2E-06	6.0E-08	5.8E-08	5.6E-08	2.6E-05	2.2E-07	2.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061							SB-061A			
SAMPLE ID	D-SB-61RE-5	D-SB-61RE-6	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20040924	20040924	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5	10	3	3	3	5
BOTTOM DEPTH	5	6	7	8	9	5	10	3	3	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.5E-07	2.8E-09	2.6E-09	2.8E-09	2.6E-09			2.6E-09	2.7E-09	2.8E-09	2.6E-09
NAPHTHALENE						1.5E-10	1.3E-10				
AROCLOR-1260						1.6E-07	1.4E-07				
ARSENIC						6.6E-07	9.3E-08				
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM						5.2E-07	3.3E-07				
TOTAL CANCER RISK	3.5E-07	2.8E-09	2.6E-09	2.8E-09	2.6E-09	1.3E-06	5.7E-07	2.6E-09	2.7E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	7.6E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08			5.6E-08	5.8E-08	6.0E-08	5.6E-08
NAPHTHALENE						7.6E-10	6.5E-10				
AROCLOR-1260						8.2E-07	7.2E-07				
ARSENIC						5.1E-06	7.3E-07				
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM						7.9E-06	5.0E-06				
TOTAL CANCER RISK	7.6E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	1.4E-05	6.4E-06	5.6E-08	5.8E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-061B				SB-061C			
SAMPLE ID	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7	D-SB-61REC-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	1.7E-07	2.6E-09	2.6E-09	2.6E-09	8.9E-07	2.6E-09	4.9E-08	2.6E-09	2.3E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	1.7E-07	2.6E-09	2.6E-09	2.6E-09	8.9E-07	2.6E-09	4.9E-08	2.6E-09	2.3E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	3.6E-06	5.6E-08	5.6E-08	5.6E-08	1.9E-05	5.6E-08	1.1E-06	5.6E-08	4.9E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	3.6E-06	5.6E-08	5.6E-08	5.6E-08	1.9E-05	5.6E-08	1.1E-06	5.6E-08	4.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061D				SB-062						
SAMPLE ID	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7	D-SB-62RE-8
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	10	3	4	5	6	7	8
BOTTOM DEPTH	3	5	7	9	10	3	4	5	6	7	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	3.6E-08	2.6E-09	1.1E-07	2.6E-09	1.5E-07	2.4E-07	5.3E-07	7.4E-07	2.7E-07	2.3E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	3.6E-08	2.6E-09	1.1E-07	2.6E-09	1.5E-07	2.4E-07	5.3E-07	7.4E-07	2.7E-07	2.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	7.8E-07	5.6E-08	2.3E-06	5.6E-08	3.3E-06	5.2E-06	1.1E-05	1.6E-05	5.8E-06	4.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	7.8E-07	5.6E-08	2.3E-06	5.6E-08	3.3E-06	5.2E-06	1.1E-05	1.6E-05	5.8E-06	4.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION				SB-062A				SB-062B			
SAMPLE ID	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20090914	20040923	20040923	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	5	7	9	3	5	7	7
BOTTOM DEPTH	9	5	10	3	5	7	9	3	5	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.7E-06			2.1E-07	1.5E-05	8.3E-07	1.7E-05	2.2E-07	9.8E-07	1.5E-06	9.2E-07
NAPHTHALENE		1.3E-10	1.3E-10								
AROCLOR-1260		1.4E-07	1.4E-07								
ARSENIC		6.2E-07	9.7E-08								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM		4.4E-07	9.9E-08								
TOTAL CANCER RISK	4.7E-06	1.2E-06	3.4E-07	2.1E-07	1.5E-05	8.3E-07	1.7E-05	2.2E-07	9.8E-07	1.5E-06	9.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.0E-04			4.6E-06	3.2E-04	1.8E-05	3.7E-04	4.7E-06	2.1E-05	3.3E-05	2.0E-05
NAPHTHALENE		6.5E-10	6.5E-10								
AROCLOR-1260		7.2E-07	7.2E-07								
ARSENIC		4.8E-06	7.6E-07								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM		6.6E-06	1.5E-06								
TOTAL CANCER RISK	1.0E-04	1.2E-05	3.0E-06	4.6E-06	3.2E-04	1.8E-05	3.7E-04	4.7E-06	2.1E-05	3.3E-05	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-062C				SB-062D			
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	5	7	9	10
BOTTOM DEPTH	7	9	3	5	7	9	5	7	9	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.3E-07	2.6E-09	6.0E-07	1.6E-07	4.5E-07	2.6E-09	2.0E-07	9.2E-08	2.6E-09	2.9E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.3E-07	2.6E-09	6.0E-07	1.6E-07	4.5E-07	2.6E-09	2.0E-07	9.2E-08	2.6E-09	2.9E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.1E-06	5.6E-08	1.3E-05	3.4E-06	9.8E-06	5.6E-08	4.4E-06	2.0E-06	5.6E-08	6.4E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.1E-06	5.6E-08	1.3E-05	3.4E-06	9.8E-06	5.6E-08	4.4E-06	2.0E-06	5.6E-08	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063									SB-063A		SB-(
SAMPLE ID	D-SB-63RE-3	D-SB-63RE-4	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20040924	20040924	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	5	10	4	6	4
BOTTOM DEPTH	3	4	5	6	7	8	9	5	10	4	6	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.3E-06	5.4E-07	3.3E-08	2.9E-09	1.4E-07	7.2E-08	2.9E-09	5.2E-07		4.0E-08	2.6E-09	2.8E-09
NAPHTHALENE								1.3E-10	1.5E-10			
AROCLOR-1260								1.5E-07	1.6E-07			
ARSENIC								4.4E-07	1.2E-07			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								6.1E-07	6.1E-07			
TOTAL CANCER RISK	1.3E-06	5.4E-07	3.3E-08	2.9E-09	1.4E-07	7.2E-08	2.9E-09	1.7E-06	8.9E-07	4.0E-08	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.8E-05	1.2E-05	7.1E-07	6.4E-08	3.0E-06	1.6E-06	6.4E-08	1.1E-05		8.6E-07	5.6E-08	6.0E-08
NAPHTHALENE								6.5E-10	7.6E-10			
AROCLOR-1260								7.4E-07	8.2E-07			
ARSENIC								3.4E-06	9.3E-07			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								9.1E-06	9.1E-06			
TOTAL CANCER RISK	2.8E-05	1.2E-05	7.1E-07	6.4E-08	3.0E-06	1.6E-06	6.4E-08	2.4E-05	1.1E-05	8.6E-07	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	)63B	SB-063C		SB-063D		SB-064				
SAMPLE ID	D-SB-63REB-6	D-SB-63REC-4	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3	D-SB-65RE-5	D-SB-65RE-5-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20040924	20090916	20090916	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	4	6	5	10	3	5	5
BOTTOM DEPTH	6	4	6	4	6	5	10	3	5	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	1.6E-07	2.6E-09	2.8E-09	2.6E-09	7.1E-07	2.6E-09	5.2E-08	2.8E-09	2.8E-09
NAPHTHALENE						1.3E-10				
AROCLOR-1260						1.5E-07				
ARSENIC						2.9E-07				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM						7.2E-07				
TOTAL CANCER RISK	2.8E-09	1.6E-07	2.6E-09	2.8E-09	2.6E-09	1.9E-06	2.6E-09	5.2E-08	2.8E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	3.5E-06	5.6E-08	6.0E-08	5.6E-08	1.5E-05	5.6E-08	1.1E-06	6.0E-08	6.0E-08
NAPHTHALENE						6.5E-10				
AROCLOR-1260						7.4E-07				
ARSENIC						2.3E-06				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM						1.1E-05				
TOTAL CANCER RISK	6.0E-08	3.5E-06	5.6E-08	6.0E-08	5.6E-08	2.9E-05	5.6E-08	1.1E-06	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-065											SB
SAMPLE ID	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5	D-SB-66RE-6	D-SB-66RE-7
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20040917	20040917	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5	10	3	4	5	6	7
BOTTOM DEPTH	5	6	7	8	9	5	10	3	4	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09			2.6E-09	2.6E-09	1.6E-07	1.6E-07	2.8E-09
NAPHTHALENE						1.3E-10	1.3E-10					
AROCLOR-1260						1.5E-07	1.4E-07					
ARSENIC						7.3E-07	1.1E-07					
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM						9.6E-07	4.4E-07					
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.9E-06	6.9E-07	2.6E-09	2.6E-09	1.6E-07	1.6E-07	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08			5.6E-08	5.6E-08	3.5E-06	3.4E-06	6.0E-08
NAPHTHALENE						6.5E-10	6.5E-10					
AROCLOR-1260						7.7E-07	7.2E-07					
ARSENIC						5.7E-06	8.3E-07					
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM						1.4E-05	6.6E-06					
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-05	8.2E-06	5.6E-08	5.6E-08	3.5E-06	3.4E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	-066					SB-066A	SB-066B	SB-066C		
SAMPLE ID	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20090914	20090914	20090914	20040923	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	5	10	4	4	4	3	4
BOTTOM DEPTH	8	8	8	5	10	4	4	4	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.7E-09	2.8E-09		1.4E-06	2.6E-09	1.2E-08	2.6E-09	2.2E-07	2.6E-09
NAPHTHALENE				1.3E-10	1.3E-10					
AROCLOR-1260				1.4E-07	1.4E-07					
ARSENIC				5.1E-07	5.5E-07					
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM				6.1E-07	3.0E-07					
TOTAL CANCER RISK	2.6E-09	2.7E-09	2.8E-09	1.3E-06	2.4E-06	2.6E-09	1.2E-08	2.6E-09	2.2E-07	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.8E-08	6.0E-08		3.0E-05	5.6E-08	2.5E-07	5.6E-08	4.7E-06	5.6E-08
NAPHTHALENE				6.5E-10	6.5E-10					
AROCLOR-1260				7.2E-07	7.2E-07					
ARSENIC				4.0E-06	4.3E-06					
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM				9.1E-06	4.5E-06					
TOTAL CANCER RISK	5.6E-08	5.8E-08	6.0E-08	1.4E-05	4.0E-05	5.6E-08	2.5E-07	5.6E-08	4.7E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066D		SB-067		SB-239					
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914	20090914	20090914	20090914	20091006
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3	4	5	6	7
BOTTOM DEPTH	4	4	5	10	10	3	4	5	6	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.9E-08	5.5E-08	8.5E-07	7.1E-07	9.1E-08	1.1E-08	9.1E-08	8.2E-08	7.2E-07	1.4E-06
NAPHTHALENE			1.5E-10	1.3E-10						
AROCLOR-1260			1.8E-07	1.5E-07						
ARSENIC			4.4E-07	4.4E-07						
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM			1.1E-06	3.6E-07						
TOTAL CANCER RISK	2.9E-08	5.5E-08	2.6E-06	1.7E-06	9.1E-08	1.1E-08	9.1E-08	8.2E-08	7.2E-07	1.4E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.3E-07	1.2E-06	1.8E-05	1.5E-05	2.0E-06	2.5E-07	2.0E-06	1.8E-06	1.6E-05	3.1E-05
NAPHTHALENE			7.6E-10	6.5E-10						
AROCLOR-1260			8.9E-07	7.4E-07						
ARSENIC			3.4E-06	3.4E-06						
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM			1.7E-05	5.4E-06						
TOTAL CANCER RISK	6.3E-07	1.2E-06	4.0E-05	2.5E-05	2.0E-06	2.5E-07	2.0E-06	1.8E-06	1.6E-05	3.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-240							
SAMPLE ID	D-SB-239RE-8	D-SB-239RE-9	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8	D-SB-240RE-8-AVG	D-SB-240RE-8-D
SAMPLE DATE	20091006	20091006	20090915	20090914	20090914	20090915	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	10	3	4	6	7	8	8	8
BOTTOM DEPTH	8	9	10	3	4	6	7	8	8	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.3E-06	6.2E-06	3.9E-07	7.0E-07	4.7E-07	6.5E-07	1.9E-05	9.5E-09	5.4E-08	9.8E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.3E-06	6.2E-06	3.9E-07	7.0E-07	4.7E-07	6.5E-07	1.9E-05	9.5E-09	5.4E-08	9.8E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	2.8E-05	1.4E-04	8.4E-06	1.5E-05	1.0E-05	1.4E-05	4.1E-04	2.1E-07	1.2E-06	2.1E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-05	1.4E-04	8.4E-06	1.5E-05	1.0E-05	1.4E-05	4.1E-04	2.1E-07	1.2E-06	2.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240A						SB-240B		
SAMPLE ID	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7
SAMPLE DATE	20091014	20091014	20091014	20091014	20091014	20091014	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	7
BOTTOM DEPTH	3	5	7	7	7	9	3	5	7
INDUSTRIAL									
BAP EQUIVALENT-HALFND	1.6E-07	1.1E-06	1.6E-08	3.4E-08	5.3E-08	1.2E-08	1.3E-07	8.5E-09	2.8E-09
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.6E-07	1.1E-06	1.6E-08	3.4E-08	5.3E-08	1.2E-08	1.3E-07	8.5E-09	2.8E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	3.5E-06	2.5E-05	3.5E-07	7.5E-07	1.2E-06	2.5E-07	2.8E-06	1.8E-07	6.0E-08
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	3.5E-06	2.5E-05	3.5E-07	7.5E-07	1.2E-06	2.5E-07	2.8E-06	1.8E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-240C							SB-2
SAMPLE ID	D-SB-240REB-9	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9	D-SB-240RED-3	D-SB-240RED-5
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
INDUSTRIAL									
BAP EQUIVALENT-HALFND	2.6E-09	3.7E-07	2.3E-07	9.2E-08	1.7E-05	2.6E-09	5.9E-08	1.7E-07	2.0E-05
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.6E-09	3.7E-07	2.3E-07	9.2E-08	1.7E-05	2.6E-09	5.9E-08	1.7E-07	2.0E-05
RESIDENTIAL									
BAP EQUIVALENT-HALFND	5.6E-08	8.1E-06	5.1E-06	2.0E-06	3.7E-04	5.6E-08	1.3E-06	3.7E-06	4.3E-04
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.6E-08	8.1E-06	5.1E-06	2.0E-06	3.7E-04	5.6E-08	1.3E-06	3.7E-06	4.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	240D		SB-243							
SAMPLE ID	D-SB-240RED-7	D-SB-240RED-9	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7	D-SB-243RE-8	D-SB-243RE-8-AVG
SAMPLE DATE	20091013	20091013	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	10	3	4	5	6	7	8	8
BOTTOM DEPTH	7	9	10	3	4	5	6	7	8	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.9E-08	2.8E-06	2.8E-09	2.1E-07	7.5E-08	7.1E-08	1.1E-07	5.3E-08	2.8E-09	8.7E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	4.9E-08	2.8E-06	2.8E-09	2.1E-07	7.5E-08	7.1E-08	1.1E-07	5.3E-08	2.8E-09	8.7E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.1E-06	6.1E-05	6.0E-08	4.6E-06	1.6E-06	1.5E-06	2.4E-06	1.2E-06	6.0E-08	1.9E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.1E-06	6.1E-05	6.0E-08	4.6E-06	1.6E-06	1.5E-06	2.4E-06	1.2E-06	6.0E-08	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-243A	SB-243B	SB-243C	SB-243D			SB-244	
SAMPLE ID	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20090915	20090915	20091012	20091012	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	4	4	4	4	4	4	5	10
BOTTOM DEPTH	8	9	4	4	4	4	4	4	5	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.5E-08	2.9E-09	3.0E-07	9.1E-09	2.9E-09	8.9E-08	7.5E-08	6.1E-08		
NAPHTHALENE										
AROCLOR-1260									1.9E-08	1.9E-08
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-08	2.9E-09	3.0E-07	9.1E-09	2.9E-09	8.9E-08	7.5E-08	6.1E-08	1.9E-08	1.9E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.2E-07	6.4E-08	6.4E-06	2.0E-07	6.4E-08	1.9E-06	1.6E-06	1.3E-06		
NAPHTHALENE										
AROCLOR-1260									9.4E-08	9.4E-08
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.2E-07	6.4E-08	6.4E-06	2.0E-07	6.4E-08	1.9E-06	1.6E-06	1.3E-06	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-245		SB-246		SB-247		SB-248		SB-249		SB-318		
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506	SB-318-0809
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5	10	2	5	8
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	3	6	9
INDUSTRIAL													
BAP EQUIVALENT-HALFND											2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE													
AROCLOR-1260	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	1.9E-08	2.0E-08	1.9E-08			
ARSENIC					1.5E-06	1.5E-07	2.2E-06	2.9E-06	5.5E-07	2.6E-06			
COBALT					2.4E-09	1.4E-09	2.6E-09	6.8E-09	4.5E-09	7.7E-10			
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM					6.1E-07	5.6E-07	6.8E-07	1.0E-06	5.0E-07	1.4E-06			
TOTAL CANCER RISK	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.1E-06	7.3E-07	2.9E-06	4.0E-06	1.1E-06	3.9E-06	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND											5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE													
AROCLOR-1260	9.7E-08	9.4E-08	9.4E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	9.4E-08	9.9E-08	9.7E-08			
ARSENIC					1.1E-05	1.1E-06	1.7E-05	2.3E-05	4.3E-06	2.0E-05			
COBALT					1.2E-08	7.1E-09	1.3E-08	3.4E-08	2.2E-08	3.9E-09			
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM					9.1E-06	8.4E-06	1.0E-05	1.5E-05	7.4E-06	2.0E-05			
TOTAL CANCER RISK	9.7E-08	9.4E-08	9.4E-08	9.9E-08	2.1E-05	9.7E-06	2.7E-05	3.8E-05	1.2E-05	4.0E-05	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-319			SB-320			SB-321			SB-322	
SAMPLE ID	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.3E-06	2.6E-09	2.6E-09	4.5E-08	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.3E-06	2.6E-09	2.6E-09	4.5E-08	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.1E-05	5.6E-08	5.6E-08	9.8E-07	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.1E-05	5.6E-08	5.6E-08	9.8E-07	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-323			SB-324			SB-325			
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.5E-07	2.6E-09	2.6E-09	8.7E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.5E-07	2.6E-09	2.6E-09	8.7E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.4E-06	5.6E-08	5.6E-08	1.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.4E-06	5.6E-08	5.6E-08	1.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-326		SB-327			SB-328			SB-329		
SAMPLE ID	SB-326-0506	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809
SAMPLE DATE	20071031	20071031	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	3.8E-07	4.5E-07	6.6E-07	6.8E-07	5.9E-07	6.9E-07	1.2E-07	9.4E-08	7.1E-07	6.8E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.8E-07	4.5E-07	6.6E-07	6.8E-07	5.9E-07	6.9E-07	1.2E-07	9.4E-08	7.1E-07	6.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	8.3E-06	9.8E-06	1.4E-05	1.5E-05	1.3E-05	1.5E-05	2.6E-06	2.0E-06	1.5E-05	1.5E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	8.3E-06	9.8E-06	1.4E-05	1.5E-05	1.3E-05	1.5E-05	2.6E-06	2.0E-06	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-330			SB-331			SB-332			SB-333	
SAMPLE ID	SB-330-0203	SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.8E-07	3.8E-07	6.6E-07	6.9E-08	6.8E-07	6.9E-07	1.3E-07	7.1E-07	2.2E-07	7.1E-07	6.6E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.8E-07	3.8E-07	6.6E-07	6.9E-08	6.8E-07	6.9E-07	1.3E-07	7.1E-07	2.2E-07	7.1E-07	6.6E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	8.3E-06	8.3E-06	1.4E-05	1.5E-06	1.5E-05	1.5E-05	2.9E-06	1.5E-05	4.8E-06	1.5E-05	1.4E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-06	8.3E-06	1.4E-05	1.5E-06	1.5E-05	1.5E-05	2.9E-06	1.5E-05	4.8E-06	1.5E-05	1.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-334			SB-335			SB-336			
SAMPLE ID	SB-333-0809	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809	SB-337-0203
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.6E-07	3.0E-07	2.2E-07	1.0E-07	6.9E-08	4.5E-08	6.9E-07	6.6E-07	7.3E-07	8.3E-08	4.5E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.6E-07	3.0E-07	2.2E-07	1.0E-07	6.9E-08	4.5E-08	6.9E-07	6.6E-07	7.3E-07	8.3E-08	4.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-05	6.6E-06	4.8E-06	2.3E-06	1.5E-06	9.8E-07	1.5E-05	1.4E-05	1.6E-05	1.8E-06	9.8E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-05	6.6E-06	4.8E-06	2.3E-06	1.5E-06	9.8E-07	1.5E-05	1.4E-05	1.6E-05	1.8E-06	9.8E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-337		SB-338			SB-339			SB-340		
SAMPLE ID	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506	SB-340-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.4E-06	7.3E-06	1.4E-07	1.7E-07	6.9E-07	4.9E-08	2.8E-09	2.6E-09	3.8E-07	1.0E-07	2.9E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-06	7.3E-06	1.4E-07	1.7E-07	6.9E-07	4.9E-08	2.8E-09	2.6E-09	3.8E-07	1.0E-07	2.9E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.3E-05	1.6E-04	3.0E-06	3.8E-06	1.5E-05	1.1E-06	6.0E-08	5.6E-08	8.3E-06	2.3E-06	6.4E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-05	1.6E-04	3.0E-06	3.8E-06	1.5E-05	1.1E-06	6.0E-08	5.6E-08	8.3E-06	2.3E-06	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-341			SB-342			SB-343			SB-344	
SAMPLE ID	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.0E-08	8.7E-08	1.3E-07	2.7E-07	5.9E-08	3.6E-09	3.8E-08	2.9E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-08	8.7E-08	1.3E-07	2.7E-07	5.9E-08	3.6E-09	3.8E-08	2.9E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	1.9E-06	2.9E-06	5.9E-06	1.3E-06	7.9E-08	8.3E-07	6.4E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	1.9E-06	2.9E-06	5.9E-06	1.3E-06	7.9E-08	8.3E-07	6.4E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-592									SB-592A	
SAMPLE ID	SB-344-0809	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6
SAMPLE DATE	20071101	20091006	20091006	20091006	20090914	20090914	20090914	20090914	20091006	20091015	20091015
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	10	10	3	4	5	6	9	4	6
BOTTOM DEPTH	9	10	10	10	3	4	5	6	9	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.1E-09	2.4E-08	6.0E-08	9.6E-08	2.9E-06	3.2E-06	2.4E-06	3.9E-07	1.8E-08	5.3E-08	2.2E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.1E-09	2.4E-08	6.0E-08	9.6E-08	2.9E-06	3.2E-06	2.4E-06	3.9E-07	1.8E-08	5.3E-08	2.2E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.8E-08	5.2E-07	1.3E-06	2.1E-06	6.4E-05	7.0E-05	5.2E-05	8.5E-06	4.0E-07	1.2E-06	4.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-08	5.2E-07	1.3E-06	2.1E-06	6.4E-05	7.0E-05	5.2E-05	8.5E-06	4.0E-07	1.2E-06	4.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-592B					SB-592D			SB-593	SB-594
SAMPLE ID	D-SB-592A-8	D-SB-592B-4	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6	D-SB-592D-8	D-SB-593-3	D-SB-594-3
SAMPLE DATE	20091015	20091016	20091016	20091016	20091016	20091016	20091016	20091016	20091016	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	6	6	8	4	6	8	3	3
BOTTOM DEPTH	8	4	6	6	6	8	4	6	8	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.3E-07	6.4E-07	6.7E-07	1.1E-06	1.5E-06	9.0E-08	1.8E-07	1.8E-06	7.2E-07	3.0E-07	2.9E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-07	6.4E-07	6.7E-07	1.1E-06	1.5E-06	9.0E-08	1.8E-07	1.8E-06	7.2E-07	3.0E-07	2.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.8E-05	1.4E-05	1.4E-05	2.4E-05	3.3E-05	2.0E-06	3.9E-06	3.8E-05	1.6E-05	6.5E-06	6.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.8E-05	1.4E-05	1.4E-05	2.4E-05	3.3E-05	2.0E-06	3.9E-06	3.8E-05	1.6E-05	6.5E-06	6.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-595	SB-766				SB-767				SB-768		
SAMPLE ID	D-SB-595-3	D-SB-766-03	D-SB-766-05	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09	D-SB-768-03	D-SB-768-05	D-SB-768-07
SAMPLE DATE	20090914	20100827	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-08	6.2E-09	3.4E-07	6.4E-09	1.6E-06	6.6E-09	6.8E-09	7.6E-09	6.8E-09	6.6E-09	3.0E-07	6.9E-09
NAPHTHALENE		7.8E-11	6.9E-10	4.3E-10	8.2E-09	8.2E-11	8.4E-11	9.5E-11	8.4E-11	8.2E-11	1.9E-09	8.7E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.8E-08	6.3E-09	3.4E-07	6.8E-09	1.7E-06	6.7E-09	6.8E-09	7.7E-09	6.8E-09	6.7E-09	3.0E-07	7.0E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	1.4E-07	7.3E-06	1.4E-07	3.6E-05	1.4E-07	1.5E-07	1.7E-07	1.5E-07	1.4E-07	6.5E-06	1.5E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.4E-07	7.3E-06	1.4E-07	3.6E-05	1.4E-07	1.5E-07	1.7E-07	1.5E-07	1.4E-07	6.5E-06	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-769				SB-770				SB-771		
SAMPLE ID	D-SB-768-09	D-SB-769-03	D-SB-769-05	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09	D-SB-771-03	D-SB-771-05	D-SB-771-07
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-09	6.9E-09	6.8E-09	6.8E-09	7.1E-09	2.3E-06	6.9E-09	5.2E-07	6.9E-09	4.5E-07	7.7E-07	4.6E-08
NAPHTHALENE	8.4E-11	9.1E-10	8.4E-11	8.4E-11	8.9E-11	1.1E-08	8.7E-11	2.5E-09	8.7E-11	3.9E-10	8.2E-11	8.7E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.8E-09	7.8E-09	6.8E-09	6.8E-09	7.2E-09	2.3E-06	7.0E-09	5.2E-07	7.0E-09	4.5E-07	7.7E-07	4.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	5.0E-05	1.5E-07	1.1E-05	1.5E-07	9.8E-06	1.7E-05	9.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	5.0E-05	1.5E-07	1.1E-05	1.5E-07	9.8E-06	1.7E-05	9.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-772				SB-773					
SAMPLE ID	D-SB-771-09	D-SB-772-03	D-SB-772-05	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D	D-SB-773-09	D-SB-774-03
SAMPLE DATE	20100910	20100830	20100830	20100830	20100830	20100831	20100831	20100831	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	5	5	9	3
BOTTOM DEPTH	9	3	5	7	9	3	5	5	5	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.9E-09	6.8E-09	6.9E-09	7.7E-08	3.3E-07	1.3E-07	6.8E-09	6.9E-09	7.1E-09	2.0E-08	8.5E-05
NAPHTHALENE	8.7E-11	8.4E-11	3.9E-10	8.2E-10	5.6E-10	8.4E-11	8.4E-11	8.7E-11	8.9E-11	9.1E-11	4.3E-09
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.0E-09	6.8E-09	7.3E-09	7.7E-08	3.3E-07	1.3E-07	6.8E-09	7.0E-09	7.2E-09	2.0E-08	8.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.7E-06	7.1E-06	2.9E-06	1.5E-07	1.5E-07	1.5E-07	4.2E-07	1.8E-03
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.7E-06	7.1E-06	2.9E-06	1.5E-07	1.5E-07	1.5E-07	4.2E-07	1.8E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-774			SB-775				SB-776			
SAMPLE ID	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03	D-SB-775-05	D-SB-775-07	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07	D-SB-776-09
SAMPLE DATE	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-07	2.0E-06	5.9E-07	6.8E-09	9.5E-07	9.6E-08	6.8E-09	2.0E-07	8.2E-08	6.8E-09	2.4E-07
NAPHTHALENE	4.2E-09	3.2E-09	6.5E-10	8.4E-11	8.7E-11	8.2E-11	8.4E-11	8.4E-11	8.7E-11	8.4E-11	8.9E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-07	2.0E-06	5.9E-07	6.8E-09	9.5E-07	9.6E-08	6.8E-09	2.0E-07	8.2E-08	6.8E-09	2.4E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-05	4.3E-05	1.3E-05	1.5E-07	2.1E-05	2.1E-06	1.5E-07	4.4E-06	1.8E-06	1.5E-07	5.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-05	4.3E-05	1.3E-05	1.5E-07	2.1E-05	2.1E-06	1.5E-07	4.4E-06	1.8E-06	1.5E-07	5.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-777				SB-778				
SAMPLE ID	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100831	20100831	20100910	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	9	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.2E-07	6.9E-09	3.5E-06	6.1E-07	1.7E-05	6.8E-07	6.6E-09	4.6E-07	9.4E-08	1.1E-07	6.9E-09
NAPHTHALENE	8.8E-11	8.7E-11	1.4E-09	2.1E-10	6.9E-08	1.2E-09	8.2E-11	8.7E-11	8.9E-11	8.0E-11	8.7E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-07	7.0E-09	3.5E-06	6.1E-07	1.7E-05	6.8E-07	6.7E-09	4.6E-07	9.4E-08	1.1E-07	7.0E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.7E-06	1.5E-07	7.7E-05	1.3E-05	3.7E-04	1.5E-05	1.4E-07	1.0E-05	2.0E-06	2.4E-06	1.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-06	1.5E-07	7.7E-05	1.3E-05	3.7E-04	1.5E-05	1.4E-07	1.0E-05	2.0E-06	2.4E-06	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-779			SB-780				SB-781				
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.5E-07	6.6E-09	6.9E-09	6.4E-09	5.4E-08	6.8E-09	4.2E-07	6.9E-09	2.8E-06	6.9E-09	6.6E-09	2.1E-07
NAPHTHALENE	8.4E-11	8.2E-11	8.7E-11	8.0E-11	8.4E-11	8.4E-11	8.7E-11	8.7E-11	2.4E-09	8.7E-11	8.2E-11	3.5E-12
AROCLOR-1260												1.0E-08
ARSENIC												7.7E-07
COBALT												1.5E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												2.7E-07
TOTAL CANCER RISK	2.5E-07	6.7E-09	7.0E-09	6.5E-09	5.4E-08	6.8E-09	4.2E-07	7.0E-09	2.8E-06	7.0E-09	6.7E-09	1.3E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.4E-06	1.4E-07	1.5E-07	1.4E-07	1.2E-06	1.5E-07	9.1E-06	1.5E-07	6.1E-05	1.5E-07	1.4E-07	4.5E-06
NAPHTHALENE												1.7E-11
AROCLOR-1260												5.0E-08
ARSENIC												6.0E-06
COBALT												7.6E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												4.0E-06
TOTAL CANCER RISK	5.4E-06	1.4E-07	1.5E-07	1.4E-07	1.2E-06	1.5E-07	9.1E-06	1.5E-07	6.1E-05	1.5E-07	1.4E-07	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-782			SB-783				SB-784				
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-09	6.9E-09	6.9E-09	6.4E-09	7.1E-09	6.8E-09	6.8E-09	6.8E-09	7.1E-09	6.8E-09	6.6E-09	1.3E-07
NAPHTHALENE	3.9E-12	4.1E-12	3.5E-12	2.8E-12	3.9E-12	3.7E-12	3.7E-12	3.7E-12	3.5E-12	3.7E-12	3.5E-12	1.6E-11
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ARSENIC	9.1E-07	2.7E-06	1.8E-06	1.8E-06	2.2E-06	3.4E-06	6.6E-07	1.1E-06	2.9E-06	2.1E-06	9.5E-07	1.7E-06
COBALT	9.1E-10	1.8E-09	1.5E-09	2.7E-09	9.8E-10	1.2E-09	4.5E-10	1.7E-09	1.5E-09	1.3E-09	7.0E-10	2.2E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.5E-07	8.5E-07	6.7E-07	4.0E-07	6.4E-07	8.1E-07	2.4E-07	4.0E-07	6.6E-07	6.0E-07	1.9E-07	4.7E-07
TOTAL CANCER RISK	1.3E-06	3.6E-06	2.5E-06	2.3E-06	2.9E-06	4.2E-06	9.2E-07	1.5E-06	3.6E-06	2.7E-06	1.2E-06	2.3E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	2.9E-06
NAPHTHALENE	2.0E-11	2.1E-11	1.7E-11	1.4E-11	2.0E-11	1.9E-11	1.9E-11	1.9E-11	1.7E-11	1.9E-11	1.7E-11	8.2E-11
AROCLOR-1260	5.2E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.0E-08
ARSENIC	7.1E-06	2.1E-05	1.4E-05	1.4E-05	1.7E-05	2.6E-05	5.1E-06	8.5E-06	2.3E-05	1.7E-05	7.4E-06	1.3E-05
COBALT	4.6E-09	9.3E-09	7.4E-09	1.4E-08	4.9E-09	5.8E-09	2.3E-09	8.8E-09	7.4E-09	6.4E-09	3.5E-09	1.1E-08
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	5.2E-06	1.3E-05	1.0E-05	6.0E-06	9.6E-06	1.2E-05	3.6E-06	6.1E-06	9.9E-06	9.1E-06	2.8E-06	7.0E-06
TOTAL CANCER RISK	1.3E-05	3.4E-05	2.4E-05	2.0E-05	2.7E-05	3.9E-05	8.9E-06	1.5E-05	3.3E-05	2.6E-05	1.0E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785			SB-786				SB-787				
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-09	5.0E-08	6.9E-09	5.6E-07	1.7E-07	2.0E-07	6.8E-09	2.7E-06	7.3E-09	6.9E-09	6.8E-09	1.8E-07
NAPHTHALENE	2.1E-11	2.4E-11	1.8E-11	1.7E-07	8.2E-08	8.9E-11	6.9E-10	3.2E-09	2.0E-11	2.0E-11	1.7E-11	8.7E-10
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.0E-08	1.0E-08	9.5E-09
ARSENIC	2.1E-06	1.2E-06	1.3E-06	1.4E-06	2.8E-06	5.2E-06	1.3E-06	1.7E-06	1.9E-06	2.4E-06	2.5E-06	7.0E-07
COBALT	4.5E-09	1.1E-09	3.5E-09	3.0E-09	3.4E-09	1.8E-09	2.6E-09	5.4E-09	1.4E-09	1.9E-09	2.8E-09	1.4E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.2E-07	4.1E-07	4.1E-07	5.1E-07	6.7E-07	5.1E-07	7.4E-07	4.9E-07	7.3E-07	1.1E-06	9.4E-07	2.4E-07
TOTAL CANCER RISK	2.8E-06	1.6E-06	1.7E-06	2.7E-06	3.8E-06	6.0E-06	2.1E-06	4.9E-06	2.7E-06	3.5E-06	3.5E-06	1.1E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.1E-06	1.5E-07	1.2E-05	3.8E-06	4.4E-06	1.5E-07	5.8E-05	1.6E-07	1.5E-07	1.5E-07	4.0E-06
NAPHTHALENE	1.0E-10	1.2E-10	9.3E-11	8.7E-07	4.1E-07	4.5E-10	3.5E-09		1.0E-10	1.0E-10	8.5E-11	
AROCLOR-1260	5.2E-08	5.2E-08	5.2E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	4.7E-08	5.4E-08	5.2E-08	5.0E-08	4.7E-08
ARSENIC	1.7E-05	9.1E-06	1.0E-05	1.1E-05	2.2E-05	4.1E-05	1.0E-05	1.3E-05	1.5E-05	1.9E-05	1.9E-05	5.4E-06
COBALT	2.3E-08	5.4E-09	1.8E-08	1.5E-08	1.7E-08	9.0E-09	1.3E-08	2.7E-08	7.1E-09	9.4E-09	1.4E-08	7.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.3E-06	6.2E-06	6.2E-06	7.6E-06	1.0E-05	7.6E-06	1.1E-05	7.3E-06	1.1E-05	1.6E-05	1.4E-05	3.6E-06
TOTAL CANCER RISK	2.6E-05	1.6E-05	1.7E-05	3.2E-05	3.6E-05	5.3E-05	2.2E-05	7.8E-05	2.6E-05	3.5E-05	3.4E-05	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-788			SB-789				D-TP-1			
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07	D-SB-789-09	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	4	8	8	4
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10	10	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.1E-09	7.1E-09	6.9E-09	6.0E-08	6.9E-09	7.1E-09	6.8E-09	6.6E-09	6.8E-09	2.3E-07	2.5E-07
NAPHTHALENE	1.8E-11	1.6E-11	1.7E-11	4.8E-11	3.5E-12	4.1E-12	3.7E-12	8.2E-11	8.4E-11	1.4E-08	4.1E-10
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08				
ARSENIC	1.8E-06	1.0E-06	1.8E-06	1.1E-06	2.0E-06	3.2E-06	1.5E-06				
COBALT	9.1E-10	9.3E-10	9.5E-10	7.7E-10	1.5E-09	1.2E-09	1.4E-09				
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	6.7E-07	3.8E-07	5.5E-07	3.1E-07	6.1E-07	9.0E-07	5.1E-07				
TOTAL CANCER RISK	2.5E-06	1.4E-06	2.3E-06	1.5E-06	2.6E-06	4.1E-06	2.0E-06	6.7E-09	6.8E-09	2.5E-07	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.3E-06	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	5.0E-06	5.4E-06
NAPHTHALENE	9.3E-11	8.2E-11	8.7E-11	2.4E-10	1.7E-11	2.1E-11	1.9E-11				
AROCLOR-1260	5.2E-08	5.2E-08	5.2E-08	4.7E-08	5.2E-08	5.2E-08	5.0E-08				
ARSENIC	1.4E-05	8.0E-06	1.4E-05	8.8E-06	1.6E-05	2.5E-05	1.1E-05				
COBALT	4.6E-09	4.7E-09	4.8E-09	3.9E-09	7.8E-09	6.2E-09	7.1E-09				
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	1.0E-05	5.7E-06	8.2E-06	4.7E-06	9.1E-06	1.3E-05	7.6E-06				
TOTAL CANCER RISK	2.5E-05	1.4E-05	2.2E-05	1.5E-05	2.5E-05	3.9E-05	1.9E-05	1.4E-07	1.5E-07	5.1E-06	5.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			D-TP-2						SB-790		
SAMPLE ID	D-TP-1-5-4-6	D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100921	20100921	20100921	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	6	6	8	6	6	3	5	7
BOTTOM DEPTH	6	10	10	7	7	10	7	7	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.4E-09	6.2E-07	1.8E-06		2.4E-06	6.6E-09	7.1E-09		7.8E-07	4.7E-06	2.5E-07
NAPHTHALENE	8.0E-11	3.9E-10	1.2E-08		2.5E-08	8.2E-11	8.9E-11		5.6E-10	1.5E-09	1.9E-09
AROCLOR-1260									1.0E-08	2.0E-08	1.0E-08
ARSENIC									1.6E-06	1.8E-06	2.3E-06
COBALT									3.1E-09	3.2E-09	5.6E-09
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM									5.4E-07	5.0E-07	5.2E-07
TOTAL CANCER RISK	6.5E-09	6.2E-07	1.8E-06		2.4E-06	6.7E-09	7.2E-09		3.0E-06	7.0E-06	3.1E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	1.3E-05	3.8E-05		5.1E-05	1.4E-07	1.5E-07		1.7E-05	1.0E-04	5.5E-06
NAPHTHALENE											
AROCLOR-1260									5.0E-08	9.9E-08	5.2E-08
ARSENIC									1.3E-05	1.4E-05	1.8E-05
COBALT									1.6E-08	1.6E-08	2.8E-08
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM									8.1E-06	7.6E-06	7.8E-06
TOTAL CANCER RISK	1.4E-07	1.3E-05	3.8E-05		5.1E-05	1.4E-07	1.5E-07		3.8E-05	1.2E-04	3.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-791				SB-792				SB-793		
SAMPLE ID	D-SB-790-09	D-SB-791-03	D-SB-791-05	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03	D-SB-793-05	D-SB-793-07
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.3E-09	2.1E-07	7.3E-09	6.8E-09	6.6E-09	1.8E-08	6.9E-09	6.8E-09	6.8E-09	7.8E-08	7.1E-09	6.9E-09
NAPHTHALENE	3.7E-12	5.6E-10	2.4E-11	1.6E-11	2.0E-11	4.5E-11	1.7E-11	1.6E-11	1.6E-11	2.4E-11	1.6E-11	1.8E-11
AROCLOR-1260	1.1E-08	1.0E-08	1.1E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC	1.5E-06	2.0E-06	1.4E-06	2.9E-06	1.8E-06	2.0E-06	1.6E-06	1.1E-06	1.4E-06	2.0E-06	1.3E-06	1.5E-06
COBALT	1.0E-09	2.5E-09	9.8E-10	2.3E-09	7.7E-10	7.5E-09	1.6E-09	1.6E-09	2.7E-09	3.6E-09	1.2E-09	1.1E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.5E-07	6.6E-07	4.7E-07	8.5E-07	6.1E-08	5.4E-07	6.1E-07	4.9E-07	6.8E-07	5.5E-07	5.1E-07	6.5E-07
TOTAL CANCER RISK	2.2E-06	2.9E-06	1.8E-06	3.8E-06	1.9E-06	2.6E-06	2.2E-06	1.6E-06	2.1E-06	2.7E-06	1.9E-06	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.6E-07	4.5E-06	1.6E-07	1.5E-07	1.4E-07	3.8E-07	1.5E-07	1.5E-07	1.5E-07	1.7E-06	1.5E-07	1.5E-07
NAPHTHALENE	1.9E-11		1.2E-10	8.2E-11	1.0E-10	2.3E-10	8.7E-11	8.2E-11	8.3E-11	1.2E-10	8.2E-11	9.2E-11
AROCLOR-1260	5.4E-08	5.2E-08	5.4E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.2E-08
ARSENIC	1.2E-05	1.5E-05	1.1E-05	2.3E-05	1.4E-05	1.5E-05	1.3E-05	8.3E-06	1.1E-05	1.6E-05	1.0E-05	1.2E-05
COBALT	5.3E-09	1.2E-08	4.9E-09	1.2E-08	3.9E-09	3.8E-08	8.0E-09	8.1E-09	1.4E-08	1.8E-08	6.1E-09	5.4E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.8E-06	9.8E-06	7.0E-06	1.3E-05	9.1E-07	8.1E-06	9.2E-06	7.4E-06	1.0E-05	8.3E-06	7.7E-06	9.7E-06
TOTAL CANCER RISK	2.2E-05	3.0E-05	1.8E-05	3.6E-05	1.5E-05	2.4E-05	2.2E-05	1.6E-05	2.1E-05	2.6E-05	1.8E-05	2.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-794				SB-795				SB-796		
SAMPLE ID	D-SB-793-09	D-SB-794-03	D-SB-794-05	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09	D-SB-796-03	D-SB-796-05	D-SB-796-07
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-09	4.8E-07	7.1E-09	7.1E-09	6.6E-09	6.8E-08	2.5E-08	7.1E-09	6.8E-09	2.6E-07	7.8E-09	6.8E-09
NAPHTHALENE	1.6E-11	2.0E-09	3.5E-12	1.7E-11	1.6E-11	4.8E-10	2.2E-11	3.5E-12	1.7E-11	1.5E-11	1.8E-11	1.8E-11
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.2E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08
ARSENIC	1.3E-06	2.0E-06	2.6E-06	2.2E-06	2.0E-06	2.1E-06	1.4E-06	2.1E-06	1.6E-06	1.2E-06	3.4E-06	1.1E-06
COBALT	4.1E-09	6.8E-09	1.0E-09	1.4E-09	6.8E-10	6.2E-09	1.5E-09	4.7E-09	1.7E-09	2.1E-09	1.5E-09	8.0E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	7.5E-07	5.3E-07	7.1E-07	8.2E-07	2.2E-07	7.0E-07	4.6E-07	5.8E-07	6.0E-07	4.2E-07	8.9E-07	4.4E-07
TOTAL CANCER RISK	2.1E-06	3.0E-06	3.3E-06	3.1E-06	2.3E-06	2.9E-06	1.9E-06	2.7E-06	2.2E-06	1.9E-06	4.3E-06	1.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.0E-05	1.5E-07	1.5E-07	1.4E-07	1.5E-06	5.5E-07	1.5E-07	1.5E-07	5.6E-06	1.7E-07	1.5E-07
NAPHTHALENE	8.3E-11		1.7E-11	8.7E-11	7.9E-11		1.1E-10	1.7E-11	8.7E-11	7.6E-11	9.1E-11	9.1E-11
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.2E-08	6.2E-08	5.2E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08
ARSENIC	1.0E-05	1.6E-05	2.0E-05	1.7E-05	1.6E-05	1.7E-05	1.1E-05	1.6E-05	1.3E-05	9.7E-06	2.7E-05	8.8E-06
COBALT	2.1E-08	3.4E-08	5.0E-09	6.9E-09	3.4E-09	3.1E-08	7.7E-09	2.4E-08	8.8E-09	1.1E-08	7.7E-09	4.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	1.1E-05	8.0E-06	1.1E-05	1.2E-05	3.3E-06	1.1E-05	6.9E-06	8.6E-06	9.0E-06	6.3E-06	1.3E-05	6.5E-06
TOTAL CANCER RISK	2.2E-05	3.4E-05	3.1E-05	3.0E-05	1.9E-05	2.9E-05	1.9E-05	2.5E-05	2.2E-05	2.2E-05	4.0E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	
SAMPLE ID	**D-SB-796-09**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
INDUSTRIAL	
BAP EQUIVALENT-HALFND	**6.6E-09**
NAPHTHALENE	**1.7E-11**
AROCLOR-1260	**1.0E-08**
ARSENIC	**1.6E-06**
COBALT	**2.0E-09**
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	**6.3E-07**
TOTAL CANCER RISK	**2.2E-06**
RESIDENTIAL	
BAP EQUIVALENT-HALFND	**1.4E-07**
NAPHTHALENE	**8.4E-11**
AROCLOR-1260	**5.0E-08**
ARSENIC	**1.2E-05**
COBALT	**1.0E-08**
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	**9.4E-06**
TOTAL CANCER RISK	**2.2E-05**

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057		SB-058		SB-059		SB-060	
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	SB-57-05	SB-57-10	SB-58-05	SB-58-10	SB-59-05	SB-59-10	SB-60-05	SB-60-10
SAMPLE DATE	20031118	20031121	20031121	20040913	20040913	20040913	20040913	20040923	20040923	20040924	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	10	5	10	5	10	5	10
BOTTOM DEPTH	5	5	5	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06		4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1260											
ARSENIC		5.7E-03	1.1E-02	1.5E-03	4.1E-03	5.2E-03	9.4E-03	8.9E-03	5.7E-03	2.3E-03	5.5E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.8E-04	8.0E-03	1.6E-02	2.6E-04	2.8E-04	2.8E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	6.6E-04
VANADIUM											
HEXAVALENT CHROMIUM	1.4E-03	9.2E-04	1.2E-03	4.4E-04	4.9E-04	9.7E-04	7.7E-04	1.5E-03	7.2E-04	3.1E-03	6.1E-03
TOTAL HAZARD INDEX	1.7E-03	1.5E-02	2.8E-02	2.2E-03	4.9E-03	6.5E-03	1.0E-02	1.1E-02	6.7E-03	5.6E-03	1.2E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05		2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1260											
ARSENIC		1.2E-01	2.3E-01	3.0E-02	8.3E-02	1.1E-01	1.9E-01	1.8E-01	1.2E-01	4.6E-02	1.1E-01
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.6E-03	1.0E-01	2.0E-01	3.3E-03	3.6E-03	3.6E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	8.4E-03
VANADIUM											
HEXAVALENT CHROMIUM	1.2E-02	8.1E-03	1.0E-02	3.9E-03	4.3E-03	8.6E-03	6.8E-03	1.4E-02	6.3E-03	2.7E-02	5.4E-02
TOTAL HAZARD INDEX	1.6E-02	2.3E-01	4.3E-01	3.7E-02	9.1E-02	1.2E-01	2.0E-01	2.0E-01	1.3E-01	7.7E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061		SB-062		SB-063		SB-064	SB-065		SB-066	
SAMPLE ID	SB-61-05	SB-61-10	SB-62-05	SB-62-10	SB-63-05	SB-63-10	SB-64-05	SB-65-05	SB-65-10	SB-66-05	SB-66-10
SAMPLE DATE	20040924	20040924	20040923	20040923	20040924	20040924	20040924	20040917	20040917	20040923	20040923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10	5	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1260											
ARSENIC	4.1E-03	5.8E-04	3.9E-03	6.0E-04	2.7E-03	7.4E-04	1.8E-03	4.6E-03	6.6E-04	3.2E-03	3.4E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.1E-04	2.4E-04	2.4E-04	2.6E-04	2.8E-04	2.8E-04	6.6E-04	2.8E-04	2.8E-04	2.6E-04	2.8E-04
VANADIUM											
HEXAVALENT CHROMIUM	9.7E-04	6.1E-04	8.2E-04	1.8E-04	1.1E-03	1.1E-03	1.3E-03	1.8E-03	8.2E-04	1.1E-03	5.6E-04
TOTAL HAZARD INDEX	5.4E-03	1.4E-03	4.9E-03	1.1E-03	4.2E-03	2.2E-03	3.8E-03	6.6E-03	1.8E-03	4.6E-03	4.3E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1260											
ARSENIC	8.3E-02	1.2E-02	7.9E-02	1.2E-02	5.5E-02	1.5E-02	3.7E-02	9.2E-02	1.3E-02	6.5E-02	6.9E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.9E-03	3.0E-03	3.0E-03	3.3E-03	3.6E-03	3.6E-03	8.4E-03	3.6E-03	3.6E-03	3.3E-03	3.6E-03
VANADIUM											
HEXAVALENT CHROMIUM	8.6E-03	5.4E-03	7.2E-03	1.6E-03	9.9E-03	9.9E-03	1.2E-02	1.6E-02	7.2E-03	9.9E-03	5.0E-03
TOTAL HAZARD INDEX	9.6E-02	2.0E-02	8.9E-02	1.7E-02	6.9E-02	2.9E-02	5.7E-02	1.1E-01	2.4E-02	7.8E-02	7.8E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-067		SB-247		SB-248		SB-249		SB-318			
SAMPLE ID	SB-67-05	SB-67-10	SB-247-05	SB-247-10	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506	SB-318-0809	SB-319-0203
SAMPLE DATE	20040927	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	2	5	8	2
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	6	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.4E-06	3.8E-06										
AROCLOR-1260												
ARSENIC	2.7E-03	2.7E-03	9.1E-03	9.1E-04	1.4E-02	1.8E-02	3.4E-03	1.6E-02				
COBALT			2.0E-02	1.2E-02	2.1E-02	5.6E-02	3.6E-02	6.3E-03				
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-04	2.6E-04	4.7E-04	4.7E-06	2.8E-04	4.7E-06	1.9E-03	4.7E-06	4.7E-05	1.4E-04	2.6E-04	2.0E-04
VANADIUM			3.7E-03	3.1E-03	4.5E-03	5.6E-03	2.7E-03	1.0E-02				
HEXAVALENT CHROMIUM	2.1E-03	6.7E-04	1.1E-03	1.0E-03	1.3E-03	1.9E-03	9.2E-04	2.5E-03				
TOTAL HAZARD INDEX	5.2E-03	3.7E-03	3.4E-02	1.7E-02	4.1E-02	8.2E-02	4.5E-02	3.5E-02	4.7E-05	1.4E-04	2.6E-04	2.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.1E-05	1.8E-05										
AROCLOR-1260												
ARSENIC	5.5E-02	5.5E-02	1.8E-01	1.8E-02	2.8E-01	3.7E-01	6.9E-02	3.2E-01				
COBALT			4.7E-01	2.7E-01	5.0E-01	1.3E+00	8.6E-01	1.5E-01				
IRON												
LEAD												
MANGANESE												
MERCURY	4.2E-03	3.3E-03	6.0E-03	6.0E-05	3.6E-03	6.0E-05	2.4E-02	6.0E-05	6.0E-04	1.7E-03	3.3E-03	2.6E-03
VANADIUM			8.7E-02	7.5E-02	1.1E-01	1.3E-01	6.4E-02	2.4E-01				
HEXAVALENT CHROMIUM	1.9E-02	5.9E-03	1.0E-02	9.2E-03	1.1E-02	1.7E-02	8.1E-03	2.2E-02				
TOTAL HAZARD INDEX	7.8E-02	6.5E-02	7.6E-01	3.7E-01	9.0E-01	1.8E+00	1.0E+00	7.3E-01	6.0E-04	1.7E-03	3.3E-03	2.6E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-319		SB-320			SB-321			SB-322		
SAMPLE ID	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506	SB-322-0809
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.1E-04	1.2E-04	1.3E-04	4.5E-05	1.6E-04	2.8E-04	4.7E-05	4.7E-05	4.5E-05	1.6E-04	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-04	1.2E-04	1.3E-04	4.5E-05	1.6E-04	2.8E-04	4.7E-05	4.7E-05	4.5E-05	1.6E-04	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.4E-03	1.6E-03	1.7E-03	5.7E-04	2.1E-03	3.6E-03	6.0E-04	6.0E-04	5.7E-04	2.1E-03	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.4E-03	1.6E-03	1.7E-03	5.7E-04	2.1E-03	3.6E-03	6.0E-04	6.0E-04	5.7E-04	2.1E-03	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-323			SB-324			SB-325			SB-326	
SAMPLE ID	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	4.5E-05	4.5E-05	2.7E-04	1.7E-04	1.5E-04	1.6E-04	2.7E-04	4.5E-05	4.7E-05	4.4E-04	9.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	2.7E-04	1.7E-04	1.5E-04	1.6E-04	2.7E-04	4.5E-05	4.7E-05	4.4E-04	9.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	5.7E-04	5.7E-04	3.4E-03	2.1E-03	1.8E-03	2.0E-03	3.4E-03	5.7E-04	6.0E-04	5.5E-03	1.3E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	3.4E-03	2.1E-03	1.8E-03	2.0E-03	3.4E-03	5.7E-04	6.0E-04	5.5E-03	1.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-327			SB-328			SB-329			
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.0E-04	1.3E-03	6.8E-05	4.7E-05	1.6E-03	5.4E-05	5.9E-05	7.3E-05	9.7E-05	5.9E-05	9.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.0E-04	1.3E-03	6.8E-05	4.7E-05	1.6E-03	5.4E-05	5.9E-05	7.3E-05	9.7E-05	5.9E-05	9.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.8E-03	1.6E-02	8.7E-04	6.0E-04	2.0E-02	6.9E-04	7.5E-04	9.2E-04	1.2E-03	7.5E-04	1.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.8E-03	1.6E-02	8.7E-04	6.0E-04	2.0E-02	6.9E-04	7.5E-04	9.2E-04	1.2E-03	7.5E-04	1.2E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-330		SB-331			SB-332			SB-333		
SAMPLE ID	SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.4E-04	8.2E-05	1.4E-04	8.2E-05	9.4E-05	1.5E-04	8.0E-05	8.2E-05	1.5E-04	8.5E-05	5.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-04	8.2E-05	1.4E-04	8.2E-05	9.4E-05	1.5E-04	8.0E-05	8.2E-05	1.5E-04	8.5E-05	5.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.0E-03	1.0E-03	1.8E-03	1.0E-03	1.2E-03	1.9E-03	1.0E-03	1.0E-03	1.8E-03	1.1E-03	7.5E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.0E-03	1.0E-03	1.8E-03	1.0E-03	1.2E-03	1.9E-03	1.0E-03	1.0E-03	1.8E-03	1.1E-03	7.5E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-334			SB-335			SB-336			SB-337	
SAMPLE ID	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809	SB-337-0203	SB-337-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.8E-03	1.6E-04	1.4E-04	1.4E-03	1.4E-04	6.4E-05	1.6E-04	9.4E-05	1.6E-03	1.9E-03	2.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.8E-03	1.6E-04	1.4E-04	1.4E-03	1.4E-04	6.4E-05	1.6E-04	9.4E-05	1.6E-03	1.9E-03	2.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.3E-02	2.1E-03	1.8E-03	1.8E-02	1.8E-03	8.1E-04	2.0E-03	1.2E-03	2.1E-02	2.4E-02	2.8E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.3E-02	2.1E-03	1.8E-03	1.8E-02	1.8E-03	8.1E-04	2.0E-03	1.2E-03	2.1E-02	2.4E-02	2.8E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-338			SB-339			SB-340			
SAMPLE ID	SB-337-0809	SB-338-0203	SB-338-0506	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506	SB-340-0809	SB-341-0203
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.9E-03	2.0E-03	9.9E-05	1.3E-04	3.1E-04	1.0E-03	5.9E-05	2.6E-04	1.8E-03	9.9E-05	1.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.9E-03	2.0E-03	9.9E-05	1.3E-04	3.1E-04	1.0E-03	5.9E-05	2.6E-04	1.8E-03	9.9E-05	1.7E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	4.9E-02	2.5E-02	1.3E-03	1.6E-03	3.9E-03	1.3E-02	7.5E-04	3.3E-03	2.3E-02	1.3E-03	2.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.9E-02	2.5E-02	1.3E-03	1.6E-03	3.9E-03	1.3E-02	7.5E-04	3.3E-03	2.3E-02	1.3E-03	2.2E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-341		SB-342			SB-343			SB-344		
SAMPLE ID	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506	SB-344-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.4E-03	1.5E-03	8.9E-04	4.0E-03	1.0E-04	3.5E-04	8.9E-04	8.0E-05	3.3E-04	8.0E-05	1.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.4E-03	1.5E-03	8.9E-04	4.0E-03	1.0E-04	3.5E-04	8.9E-04	8.0E-05	3.3E-04	8.0E-05	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.7E-02	1.8E-02	1.1E-02	5.0E-02	1.3E-03	4.5E-03	1.1E-02	1.0E-03	4.2E-03	1.0E-03	1.6E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.7E-02	1.8E-02	1.1E-02	5.0E-02	1.3E-03	4.5E-03	1.1E-02	1.0E-03	4.2E-03	1.0E-03	1.6E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-766				SB-767				SB-768			
SAMPLE ID	D-SB-766-03	D-SB-766-05	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09
SAMPLE DATE	20100827	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	2.3E-06	2.0E-05	1.3E-05	2.4E-04	2.4E-06	2.4E-06	2.8E-06	2.4E-06	2.4E-06	5.4E-05	2.5E-06	2.4E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.1E-05	9.4E-05	5.9E-05	1.1E-03	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05	2.5E-04	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-769				SB-770				SB-771			
SAMPLE ID	D-SB-769-03	D-SB-769-05	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	2.6E-05	2.4E-06	2.4E-06	2.6E-06	3.3E-04	2.5E-06	7.2E-05	2.5E-06	1.1E-05	2.4E-06	2.5E-06	2.5E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.2E-04	1.1E-05	1.1E-05	1.2E-05	1.5E-03	1.2E-05	3.3E-04	1.2E-05	5.3E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-772				SB-773						SB-
SAMPLE ID	D-SB-772-03	D-SB-772-05	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D	D-SB-773-09	D-SB-774-03	D-SB-774-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100831	20100831	20100831	20100831	20100831	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	5	5	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	5	5	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-06	1.1E-05	2.4E-05	1.6E-05	2.4E-06	2.4E-06	2.5E-06	2.6E-06	2.6E-06	1.3E-04	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	5.2E-05	1.1E-04	7.6E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05	5.9E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	774		SB-775				SB-776				
SAMPLE ID	D-SB-774-07	D-SB-774-09	D-SB-775-03	D-SB-775-05	D-SB-775-07	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07	D-SB-776-09	D-SB-776-09-AVG
SAMPLE DATE	20100910	20100910	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.4E-05	1.9E-05	2.4E-06	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.4E-06	2.6E-06	2.5E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.4E-04	8.8E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-777				SB-778				SB-	
SAMPLE ID	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03	D-SB-779-05
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100901	20100901
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	4.0E-05	6.0E-06	2.0E-03	3.4E-05	2.4E-06	2.5E-06	2.6E-06	2.3E-06	2.5E-06	2.4E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.9E-04	2.8E-05	9.4E-03	1.6E-04	1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	779		SB-780				SB-781				SB-	
SAMPLE ID	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03	D-SB-782-05
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE											1.0E-07	1.1E-07
AROCLOR-1260												
ARSENIC											4.8E-03	5.7E-03
COBALT											1.2E-02	7.4E-03
IRON											7.3E-03	8.9E-03
LEAD												
MANGANESE											3.0E-03	9.9E-04
MERCURY											2.5E-03	4.2E-05
VANADIUM											1.9E-03	2.0E-03
HEXAVALENT CHROMIUM											5.0E-04	6.5E-04
TOTAL HAZARD INDEX	2.4E-06	2.5E-06	2.3E-06	2.4E-06	2.4E-06	2.5E-06	2.5E-06	6.9E-05	2.5E-06	2.4E-06	3.2E-02	2.6E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE											4.7E-07	5.3E-07
AROCLOR-1260												
ARSENIC											9.7E-02	1.2E-01
COBALT											2.9E-01	1.8E-01
IRON											1.7E-01	2.1E-01
LEAD												
MANGANESE											3.1E-02	1.0E-02
MERCURY											3.2E-02	5.4E-04
VANADIUM											4.4E-02	4.7E-02
HEXAVALENT CHROMIUM											4.4E-03	5.7E-03
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.2E-04	1.2E-05	1.1E-05	6.7E-01	5.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	782		SB-783				SB-784				SB-	
SAMPLE ID	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03	D-SB-785-05
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.2E-07	1.0E-07	8.2E-08	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	4.7E-07	6.0E-07
AROCLOR-1260												
ARSENIC	1.7E-02	1.1E-02	1.1E-02	1.4E-02	2.1E-02	4.1E-03	6.8E-03	1.8E-02	1.3E-02	5.9E-03	1.0E-02	1.3E-02
COBALT	1.5E-02	1.2E-02	2.2E-02	8.0E-03	9.5E-03	3.7E-03	1.4E-02	1.2E-02	1.0E-02	5.8E-03	1.8E-02	3.7E-02
IRON	3.0E-02	2.4E-02	1.5E-02	2.7E-02	3.6E-02	3.7E-03	1.4E-02	3.6E-02	2.8E-02	2.0E-03	1.6E-02	2.3E-02
LEAD												
MANGANESE	7.2E-03	3.8E-03	8.7E-03	1.5E-03	4.1E-03	8.4E-04	6.0E-03	1.1E-02	5.5E-03	1.3E-03	8.4E-03	8.5E-03
MERCURY	4.2E-05	4.2E-05	2.2E-03	4.5E-05	4.2E-05	4.2E-05	4.2E-05	4.5E-05	4.2E-05	4.0E-05	1.4E-03	1.9E-03
VANADIUM	5.9E-03	4.9E-03	2.7E-03	5.1E-03	7.3E-03	1.2E-03	2.8E-03	6.4E-03	4.2E-03	1.1E-03	2.8E-03	3.8E-03
HEXAVALENT CHROMIUM	1.6E-03	1.2E-03	7.5E-04	1.2E-03	1.5E-03	4.5E-04	7.5E-04	1.2E-03	1.1E-03	3.5E-04	8.7E-04	1.1E-03
TOTAL HAZARD INDEX	7.7E-02	5.8E-02	6.3E-02	5.7E-02	7.9E-02	1.4E-02	4.5E-02	8.5E-02	6.3E-02	1.7E-02	5.9E-02	8.9E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	5.6E-07	4.7E-07	3.8E-07	5.3E-07	5.0E-07	5.0E-07	5.0E-07	4.7E-07	5.0E-07	4.7E-07	2.2E-06	2.8E-06
AROCLOR-1260												
ARSENIC	3.5E-01	2.3E-01	2.3E-01	2.8E-01	4.3E-01	8.3E-02	1.4E-01	3.7E-01	2.7E-01	1.2E-01	2.1E-01	2.7E-01
COBALT	3.6E-01	2.9E-01	5.2E-01	1.9E-01	2.2E-01	8.8E-02	3.4E-01	2.9E-01	2.5E-01	1.4E-01	4.3E-01	8.8E-01
IRON	7.0E-01	5.7E-01	3.6E-01	6.5E-01	8.5E-01	8.8E-02	3.3E-01	8.6E-01	6.6E-01	4.8E-02	3.9E-01	5.6E-01
LEAD												
MANGANESE	7.4E-02	3.9E-02	8.9E-02	1.5E-02	4.2E-02	8.6E-03	6.1E-02	1.1E-01	5.6E-02	1.4E-02	8.6E-02	8.7E-02
MERCURY	5.4E-04	5.4E-04	2.8E-02	5.7E-04	5.4E-04	5.4E-04	5.4E-04	5.7E-04	5.4E-04	5.1E-04	1.8E-02	2.4E-02
VANADIUM	1.4E-01	1.2E-01	6.4E-02	1.2E-01	1.7E-01	2.7E-02	6.7E-02	1.5E-01	1.0E-01	2.5E-02	6.8E-02	9.0E-02
HEXAVALENT CHROMIUM	1.4E-02	1.1E-02	6.6E-03	1.0E-02	1.3E-02	3.9E-03	6.6E-03	1.1E-02	9.9E-03	3.1E-03	7.7E-03	1.0E-02
TOTAL HAZARD INDEX	1.6E+00	1.3E+00	1.3E+00	1.3E+00	1.7E+00	3.0E-01	9.4E-01	1.8E+00	1.3E+00	3.5E-01	1.2E+00	1.9E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	785		SB-786				SB-787				SB-	
SAMPLE ID	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03	D-SB-788-05
SAMPLE DATE	20100903	20100908	20100903	20100903	20100903	20100903	20100908	20100908	20100903	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	6.9E-07	5.3E-07	5.0E-03	2.4E-03	2.6E-06	2.0E-05		5.8E-07	5.8E-07	4.9E-07		5.3E-07
AROCLOR-1260												
ARSENIC	7.3E-03	8.2E-03	8.9E-03	1.8E-02	3.3E-02	8.2E-03	1.0E-02	1.2E-02	1.5E-02	1.6E-02	4.3E-03	1.1E-02
COBALT	8.7E-03	2.9E-02	2.5E-02	2.8E-02	1.5E-02	2.1E-02	4.4E-02	1.2E-02	1.5E-02	2.3E-02	1.1E-02	7.4E-03
IRON	1.2E-02	2.9E-02	1.5E-02	2.9E-02	1.5E-02	2.5E-02	1.9E-02	3.2E-02	4.0E-02	5.8E-02	4.5E-03	2.3E-02
LEAD												
MANGANESE	3.4E-03	5.6E-03	4.5E-03	8.1E-03	3.0E-03	1.5E-03	9.9E-03	5.9E-03	7.9E-03	3.9E-03	1.5E-03	2.0E-03
MERCURY	4.5E-05	4.2E-05	7.5E-04	7.5E-04	9.9E-05	4.2E-05	4.5E-04	4.5E-05	4.2E-05	4.2E-05	2.8E-03	4.2E-05
VANADIUM	2.4E-03	2.7E-03	3.1E-03	4.3E-03	3.7E-03	7.5E-03	3.6E-03	4.7E-03	5.6E-03	9.8E-03	1.5E-03	5.5E-03
HEXAVALENT CHROMIUM	7.7E-04	7.6E-04	9.5E-04	1.2E-03	9.4E-04	1.4E-03	9.1E-04	1.4E-03	2.0E-03	1.8E-03	4.5E-04	1.3E-03
TOTAL HAZARD INDEX	3.5E-02	7.5E-02	6.3E-02	9.1E-02	7.0E-02	6.4E-02	8.8E-02	6.8E-02	8.6E-02	1.1E-01	2.6E-02	5.0E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.2E-06	2.5E-06	2.3E-02	1.1E-02	1.2E-05	9.4E-05		2.7E-06	2.7E-06	2.3E-06		2.5E-06
AROCLOR-1260												
ARSENIC	1.5E-01	1.7E-01	1.8E-01	3.6E-01	6.6E-01	1.7E-01	2.1E-01	2.4E-01	3.1E-01	3.1E-01	8.8E-02	2.3E-01
COBALT	2.1E-01	6.8E-01	5.8E-01	6.5E-01	3.5E-01	5.0E-01	1.0E+00	2.7E-01	3.6E-01	5.4E-01	2.7E-01	1.8E-01
IRON	2.9E-01	6.9E-01	3.6E-01	6.8E-01	3.6E-01	5.9E-01	4.5E-01	7.6E-01	9.6E-01	1.4E+00	1.1E-01	5.4E-01
LEAD												
MANGANESE	3.5E-02	5.8E-02	4.6E-02	8.3E-02	3.1E-02	1.5E-02	1.0E-01	6.0E-02	8.1E-02	4.0E-02	1.5E-02	2.1E-02
MERCURY	5.7E-04	5.4E-04	9.5E-03	9.5E-03	1.3E-03	5.4E-04	5.7E-03	5.7E-04	5.4E-04	5.4E-04	3.6E-02	5.4E-04
VANADIUM	5.7E-02	6.4E-02	7.5E-02	1.0E-01	8.9E-02	1.8E-01	8.4E-02	1.1E-01	1.3E-01	2.3E-01	3.4E-02	1.3E-01
HEXAVALENT CHROMIUM	6.8E-03	6.7E-03	8.4E-03	1.1E-02	8.3E-03	1.2E-02	8.0E-03	1.2E-02	1.8E-02	1.5E-02	4.0E-03	1.1E-02
TOTAL HAZARD INDEX	7.4E-01	1.7E+00	1.3E+00	1.9E+00	1.5E+00	1.5E+00	1.9E+00	1.5E+00	1.9E+00	2.5E+00	5.5E-01	1.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	788		SB-789				D-TP-1				
SAMPLE ID	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07	D-SB-789-09	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	4	8	8	4	4
BOTTOM DEPTH	7	9	3	5	7	9	6	10	10	6	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	4.7E-07	5.0E-07	1.4E-06	1.0E-07	1.2E-07	1.1E-07					
AROCLOR-1260											
ARSENIC	6.4E-03	1.1E-02	7.1E-03	1.3E-02	2.0E-02	9.1E-03					
COBALT	7.6E-03	7.8E-03	6.3E-03	1.3E-02	1.0E-02	1.2E-02					
IRON	6.9E-03	1.6E-02	6.2E-03	2.2E-02	3.0E-02	1.8E-02					
LEAD											
MANGANESE	9.1E-04	1.6E-03	1.9E-03	3.0E-03	2.7E-03	5.2E-03					
MERCURY	4.5E-05	4.2E-05	1.3E-04	4.2E-05	4.5E-05	4.2E-05					
VANADIUM	4.2E-03	4.6E-03	2.2E-03	4.9E-03	7.7E-03	4.7E-03					
HEXAVALENT CHROMIUM	7.1E-04	1.0E-03	5.8E-04	1.1E-03	1.7E-03	9.5E-04					
TOTAL HAZARD INDEX	2.7E-02	4.2E-02	2.4E-02	5.7E-02	7.2E-02	5.0E-02	2.4E-06	2.4E-06	4.0E-04	1.2E-05	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.2E-06	2.3E-06	6.5E-06	4.7E-07	5.6E-07	5.0E-07					
AROCLOR-1260											
ARSENIC	1.3E-01	2.2E-01	1.4E-01	2.5E-01	4.1E-01	1.8E-01					
COBALT	1.8E-01	1.8E-01	1.5E-01	3.0E-01	2.4E-01	2.7E-01					
IRON	1.6E-01	3.9E-01	1.5E-01	5.3E-01	7.2E-01	4.4E-01					
LEAD											
MANGANESE	9.3E-03	1.6E-02	1.9E-02	3.1E-02	2.7E-02	5.3E-02					
MERCURY	5.7E-04	5.4E-04	1.7E-03	5.4E-04	5.7E-04	5.4E-04					
VANADIUM	1.0E-01	1.1E-01	5.3E-02	1.2E-01	1.8E-01	1.1E-01					
HEXAVALENT CHROMIUM	6.2E-03	8.9E-03	5.1E-03	1.0E-02	1.5E-02	8.4E-03					
TOTAL HAZARD INDEX	5.9E-01	9.3E-01	5.2E-01	1.2E+00	1.6E+00	1.1E+00	1.1E-05	1.1E-05	1.9E-03	5.6E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		D-TP-2				SB-790					SB-
SAMPLE ID	D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	6	8	6	3	5	7	9	3	5
BOTTOM DEPTH	10	10	7	10	7	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE									1.1E-07		6.9E-07
AROCLOR-1260											
ARSENIC						1.0E-02	1.1E-02	1.4E-02	9.4E-03	1.2E-02	8.4E-03
COBALT						2.5E-02	2.7E-02	4.6E-02	8.5E-03	2.0E-02	8.0E-03
IRON						1.7E-02	1.6E-02	1.8E-02	2.6E-02	3.0E-02	1.7E-02
LEAD											
MANGANESE						7.6E-03	1.0E-02	7.0E-03	5.6E-03	8.0E-03	2.5E-03
MERCURY						1.7E-03	9.9E-04	3.0E-03	4.5E-05	4.2E-05	4.5E-05
VANADIUM						3.3E-03	3.0E-03	3.1E-03	4.7E-03	4.2E-03	3.4E-03
HEXAVALENT CHROMIUM						1.0E-03	9.4E-04	9.7E-04	1.2E-03	1.2E-03	8.7E-04
TOTAL HAZARD INDEX	1.1E-05	3.5E-04	7.2E-04	2.4E-06	2.6E-06	6.7E-02	6.9E-02	9.2E-02	5.6E-02	7.6E-02	4.1E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE									5.0E-07		3.2E-06
AROCLOR-1260											
ARSENIC						2.1E-01	2.3E-01	2.9E-01	1.9E-01	2.5E-01	1.7E-01
COBALT						6.0E-01	6.3E-01	1.1E+00	2.0E-01	4.8E-01	1.9E-01
IRON						4.1E-01	3.8E-01	4.2E-01	6.2E-01	7.0E-01	4.1E-01
LEAD											
MANGANESE						7.7E-02	1.0E-01	7.1E-02	5.7E-02	8.2E-02	2.6E-02
MERCURY						2.1E-02	1.3E-02	3.8E-02	5.7E-04	5.4E-04	5.7E-04
VANADIUM						7.8E-02	7.2E-02	7.4E-02	1.1E-01	9.9E-02	8.1E-02
HEXAVALENT CHROMIUM						8.8E-03	8.3E-03	8.5E-03	1.1E-02	1.1E-02	7.6E-03
TOTAL HAZARD INDEX	5.2E-05	1.6E-03	3.3E-03	1.1E-05	1.2E-05	1.4E+00	1.4E+00	2.0E+00	1.2E+00	1.6E+00	8.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	791		SB-792				SB-793					SB-
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.7E-07	5.8E-07	1.3E-06	5.0E-07	4.7E-07	4.8E-07	6.9E-07	4.7E-07	5.3E-07	4.8E-07		1.0E-07
AROCLOR-1260												
ARSENIC	1.8E-02	1.1E-02	1.2E-02	1.0E-02	6.6E-03	8.7E-03	1.3E-02	8.2E-03	9.4E-03	8.2E-03	1.3E-02	1.6E-02
COBALT	1.9E-02	6.3E-03	6.1E-02	1.3E-02	1.3E-02	2.2E-02	2.9E-02	9.8E-03	8.7E-03	3.4E-02	5.6E-02	8.2E-03
IRON	4.0E-02	1.1E-03	1.5E-02	2.8E-02	2.1E-02	3.3E-02	2.0E-02	2.2E-02	2.3E-02	2.8E-02	2.4E-02	2.8E-02
LEAD												
MANGANESE	1.4E-02	6.4E-04	7.9E-03	4.7E-03	3.6E-03	2.7E-03	6.2E-03	1.4E-03	1.8E-03	6.2E-03	2.9E-02	2.5E-03
MERCURY	4.2E-05	4.0E-05	6.1E-03	4.2E-05	4.2E-05	4.2E-05	2.2E-03	4.2E-05	4.2E-05	4.2E-05	3.3E-03	4.5E-05
VANADIUM	5.7E-03	2.3E-04	3.2E-03	5.1E-03	4.0E-03	7.4E-03	3.4E-03	4.6E-03	4.3E-03	5.1E-03	3.3E-03	5.4E-03
HEXAVALENT CHROMIUM	1.6E-03	1.1E-04	1.0E-03	1.1E-03	9.2E-04	1.3E-03	1.0E-03	9.6E-04	1.2E-03	1.4E-03	9.9E-04	1.3E-03
TOTAL HAZARD INDEX	9.9E-02	2.0E-02	1.1E-01	6.2E-02	5.0E-02	7.6E-02	7.5E-02	4.7E-02	4.9E-02	8.3E-02	1.3E-01	6.2E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.2E-06	2.7E-06	6.2E-06	2.3E-06	2.2E-06	2.2E-06	3.2E-06	2.2E-06	2.5E-06	2.2E-06		4.7E-07
AROCLOR-1260												
ARSENIC	3.7E-01	2.3E-01	2.5E-01	2.0E-01	1.3E-01	1.8E-01	2.6E-01	1.7E-01	1.9E-01	1.7E-01	2.5E-01	3.2E-01
COBALT	4.5E-01	1.5E-01	1.4E+00	3.1E-01	3.1E-01	5.3E-01	6.9E-01	2.3E-01	2.1E-01	8.0E-01	1.3E+00	1.9E-01
IRON	9.4E-01	2.7E-02	3.5E-01	6.7E-01	5.1E-01	7.9E-01	4.9E-01	5.2E-01	5.5E-01	6.7E-01	5.8E-01	6.8E-01
LEAD												
MANGANESE	1.5E-01	6.6E-03	8.1E-02	4.8E-02	3.7E-02	2.7E-02	6.3E-02	1.4E-02	1.9E-02	6.3E-02	3.0E-01	2.6E-02
MERCURY	5.4E-04	5.1E-04	7.8E-02	5.4E-04	5.4E-04	5.4E-04	2.8E-02	5.4E-04	5.4E-04	5.4E-04	4.2E-02	5.7E-04
VANADIUM	1.3E-01	5.5E-03	7.6E-02	1.2E-01	9.4E-02	1.8E-01	8.1E-02	1.1E-01	1.0E-01	1.2E-01	7.9E-02	1.3E-01
HEXAVALENT CHROMIUM	1.4E-02	9.9E-04	8.9E-03	1.0E-02	8.1E-03	1.1E-02	9.1E-03	8.5E-03	1.1E-02	1.2E-02	8.8E-03	1.2E-02
TOTAL HAZARD INDEX	2.1E+00	4.2E-01	2.3E+00	1.4E+00	1.1E+00	1.7E+00	1.6E+00	1.1E+00	1.1E+00	1.8E+00	2.6E+00	1.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	794		SB-795				SB-796			
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	5.0E-07	4.5E-07		6.3E-07	1.0E-07	5.0E-07	4.4E-07	5.2E-07	5.2E-07	4.8E-07
AROCLOR-1260										
ARSENIC	1.4E-02	1.3E-02	1.3E-02	8.9E-03	1.3E-02	1.0E-02	7.8E-03	2.1E-02	7.1E-03	9.8E-03
COBALT	1.1E-02	5.6E-03	5.1E-02	1.2E-02	3.8E-02	1.4E-02	1.7E-02	1.2E-02	6.5E-03	1.7E-02
IRON	3.7E-02	3.7E-03	3.1E-02	1.6E-02	2.9E-02	2.2E-02	1.2E-02	4.0E-02	2.2E-02	2.9E-02
LEAD										
MANGANESE	4.0E-03	5.3E-04	9.8E-03	2.5E-03	6.6E-03	6.6E-03	4.0E-03	2.1E-03	1.8E-03	1.9E-03
MERCURY	4.5E-05	4.0E-05	4.2E-05	5.2E-05	1.1E-04	4.2E-05	2.4E-03	4.9E-05	4.2E-05	4.0E-05
VANADIUM	6.1E-03	8.8E-04	4.7E-03	3.7E-03	3.6E-03	4.3E-03	2.7E-03	6.4E-03	4.6E-03	7.6E-03
HEXAVALENT CHROMIUM	1.5E-03	4.2E-04	1.3E-03	8.6E-04	1.1E-03	1.1E-03	7.8E-04	1.6E-03	8.1E-04	1.2E-03
TOTAL HAZARD INDEX	7.4E-02	2.4E-02	1.1E-01	4.5E-02	9.2E-02	5.8E-02	4.7E-02	8.4E-02	4.3E-02	6.6E-02
RESIDENTIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.3E-06	2.1E-06		2.9E-06	4.7E-07	2.3E-06	2.1E-06	2.4E-06	2.4E-06	2.3E-06
AROCLOR-1260										
ARSENIC	2.8E-01	2.6E-01	2.7E-01	1.8E-01	2.6E-01	2.0E-01	1.6E-01	4.3E-01	1.4E-01	2.0E-01
COBALT	2.6E-01	1.3E-01	1.2E+00	2.9E-01	9.1E-01	3.4E-01	4.1E-01	2.9E-01	1.5E-01	3.9E-01
IRON	8.7E-01	8.7E-02	7.5E-01	3.9E-01	7.0E-01	5.1E-01	2.9E-01	9.4E-01	5.3E-01	6.9E-01
LEAD										
MANGANESE	4.1E-02	5.4E-03	1.0E-01	2.6E-02	6.8E-02	6.7E-02	4.1E-02	2.1E-02	1.8E-02	1.9E-02
MERCURY	5.7E-04	5.1E-04	5.4E-04	6.6E-04	1.4E-03	5.4E-04	3.0E-02	6.3E-04	5.4E-04	5.1E-04
VANADIUM	1.4E-01	2.1E-02	1.1E-01	8.8E-02	8.6E-02	1.0E-01	6.5E-02	1.5E-01	1.1E-01	1.8E-01
HEXAVALENT CHROMIUM	1.3E-02	3.7E-03	1.2E-02	7.5E-03	9.4E-03	9.8E-03	6.9E-03	1.5E-02	7.1E-03	1.0E-02
TOTAL HAZARD INDEX	1.6E+00	5.1E-01	2.4E+00	9.9E-01	2.0E+00	1.2E+00	1.0E+00	1.9E+00	9.6E-01	1.5E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	9.2E-08	2.6E-09	2.6E-09	7.1E-08	2.6E-09	6.3E-07	2.0E-06	2.6E-09	5.8E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	9.2E-08	2.6E-09	2.6E-09	7.1E-08	2.6E-09	6.3E-07	2.0E-06	2.6E-09	5.8E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	2.0E-06	5.6E-08	5.6E-08	1.5E-06	5.6E-08	1.4E-05	4.3E-05	5.6E-08	1.3E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	2.0E-06	5.6E-08	5.6E-08	1.5E-06	5.6E-08	1.4E-05	4.3E-05	5.6E-08	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	5.3E-07	3.7E-06	5.5E-08	2.6E-09	3.2E-08	2.6E-09	2.6E-09	1.5E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	5.3E-07	3.7E-06	5.5E-08	2.6E-09	3.2E-08	2.6E-09	2.6E-09	1.5E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.2E-05	8.1E-05	1.2E-06	5.6E-08	6.9E-07	5.6E-08	5.6E-08	3.2E-05
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.2E-05	8.1E-05	1.2E-06	5.6E-08	6.9E-07	5.6E-08	5.6E-08	3.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061D	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A
SAMPLE ID	D-SB-61RED-15	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13
SAMPLE DATE	20091012	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	12	13	14	15	11	11	11	13
BOTTOM DEPTH	15	11	12	13	14	15	11	11	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.6E-07	2.6E-09	2.9E-09	7.7E-06	2.5E-07	1.7E-06	5.1E-07	4.3E-07	3.5E-07	3.1E-07
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.6E-07	2.6E-09	2.9E-09	7.7E-06	2.5E-07	1.7E-06	5.1E-07	4.3E-07	3.5E-07	3.1E-07
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.5E-06	5.6E-08	6.4E-08	1.7E-04	5.5E-06	3.6E-05	1.1E-05	9.3E-06	7.5E-06	6.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.5E-06	5.6E-08	6.4E-08	1.7E-04	5.5E-06	3.6E-05	1.1E-05	9.3E-06	7.5E-06	6.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-062A	SB-062B	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D
SAMPLE ID	D-SB-62REA-15	D-SB-62REB-11	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.7E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.7E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	8.0E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.6E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.0E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.6E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066
SAMPLE ID	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	4.3E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	1.5E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	4.3E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	1.5E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	9.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	3.3E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	9.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066	SB-066	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A
SAMPLE ID	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11
SAMPLE DATE	20090914	20090914	20091015	20091015	20090914	20090914	20090914	20090914	20090914	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	12	15	11	12	11	12	13	14	15	11
BOTTOM DEPTH	12	15	11	12	11	12	13	14	15	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.6E-07	1.5E-07	6.4E-07	4.2E-07	6.9E-07	1.5E-07	1.2E-06	8.7E-08	7.5E-08	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.6E-07	1.5E-07	6.4E-07	4.2E-07	6.9E-07	1.5E-07	1.2E-06	8.7E-08	7.5E-08	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.4E-06	3.2E-06	1.4E-05	9.1E-06	1.5E-05	3.2E-06	2.5E-05	1.9E-06	1.6E-06	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.4E-06	3.2E-06	1.4E-05	9.1E-06	1.5E-05	3.2E-06	2.5E-05	1.9E-06	1.6E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D
SAMPLE ID	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	11	13	15	11	11
BOTTOM DEPTH	13	15	11	13	11	13	15	11	11
INDUSTRIAL									
1,2,3-TRICHLOROBENZENE									
1,2,4-TRICHLOROBENZENE									
1,3-DICHLOROBENZENE									
1,4-DICHLOROBENZENE									
BAP EQUIVALENT-HALFND	2.8E-09	7.3E-08	2.9E-09	3.5E-09	2.8E-09	2.0E-07	3.3E-09	1.0E-06	5.6E-07
NAPHTHALENE									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.8E-09	7.3E-08	2.9E-09	3.5E-09	2.8E-09	2.0E-07	3.3E-09	1.0E-06	5.6E-07
RESIDENTIAL									
1,2,3-TRICHLOROBENZENE									
1,2,4-TRICHLOROBENZENE									
1,3-DICHLOROBENZENE									
1,4-DICHLOROBENZENE									
BAP EQUIVALENT-HALFND	6.0E-08	1.6E-06	6.4E-08	7.5E-08	6.0E-08	4.3E-06	7.1E-08	2.2E-05	1.2E-05
NAPHTHALENE									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	6.0E-08	1.6E-06	6.4E-08	7.5E-08	6.0E-08	4.3E-06	7.1E-08	2.2E-05	1.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243	SB-243	SB-243	SB-766	SB-766	SB-766
SAMPLE ID	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15
SAMPLE DATE	20091013	20091013	20091013	20090915	20090915	20090915	20090915	20090915	20100827	20100827	20100827
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	13	15	11	12	13	14	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.2E-07	2.2E-06	2.8E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.8E-09	2.5E-06	4.3E-07	7.6E-09
NAPHTHALENE									2.4E-09	1.7E-08	9.5E-11
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-07	2.2E-06	2.8E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.8E-09	2.5E-06	4.4E-07	7.7E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.5E-06	4.7E-05	6.0E-08	6.0E-08	6.0E-08	6.8E-06	6.0E-08	6.0E-08	5.4E-05	9.3E-06	1.7E-07
NAPHTHALENE									1.2E-08	8.7E-08	4.8E-10
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.5E-06	4.7E-05	6.0E-08	6.0E-08	6.0E-08	6.8E-06	6.0E-08	6.0E-08	5.4E-05	9.3E-06	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771
SAMPLE ID	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	7.1E-09	8.8E-07	6.9E-09	6.8E-09	1.3E-06	6.9E-09	6.9E-09	1.6E-07	6.9E-09	6.5E-06	1.0E-06	6.9E-09	7.1E-09
NAPHTHALENE	8.9E-11	4.8E-10	8.7E-11	8.4E-11	1.1E-09	8.7E-11	8.7E-11	8.7E-11	8.7E-11	5.6E-09	1.0E-09	8.7E-11	8.9E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.2E-09	8.8E-07	7.0E-09	6.8E-09	1.3E-06	7.0E-09	7.0E-09	1.6E-07	7.0E-09	6.5E-06	1.0E-06	7.0E-09	7.2E-09
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.5E-07	1.9E-05	1.5E-07	1.5E-07	2.7E-05	1.5E-07	1.5E-07	3.5E-06	1.5E-07	1.4E-04	2.3E-05	1.5E-07	1.5E-07
NAPHTHALENE	4.5E-10	2.4E-09	4.4E-10	4.3E-10	5.7E-09	4.4E-10	4.4E-10	4.4E-10	4.4E-10	2.8E-08	5.2E-09	4.4E-10	4.5E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.5E-07	1.9E-05	1.5E-07	1.5E-07	2.7E-05	1.5E-07	1.5E-07	3.5E-06	1.5E-07	1.4E-04	2.3E-05	1.5E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-771	SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100910	20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	15	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.9E-09	1.0E-07	2.8E-07	4.7E-06	7.1E-09	7.1E-09	1.5E-07	3.3E-07	3.1E-06	1.7E-06	1.6E-06	1.4E-06
NAPHTHALENE	8.7E-11	4.1E-09	1.2E-09	4.3E-08	8.9E-11	8.9E-11	8.7E-11	5.2E-10	3.3E-09	2.0E-09	2.4E-09	2.7E-09
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.0E-09	1.1E-07	2.8E-07	4.7E-06	7.2E-09	7.2E-09	1.5E-07	3.3E-07	3.1E-06	1.7E-06	1.6E-06	1.4E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.5E-07	2.2E-06	6.0E-06	1.0E-04	1.5E-07	1.5E-07	3.2E-06	7.2E-06	6.7E-05	3.7E-05	3.4E-05	3.0E-05
NAPHTHALENE	4.4E-10	2.1E-08	6.1E-09	2.2E-07	4.5E-10	4.5E-10	4.4E-10	2.6E-09	1.7E-08	1.0E-08	1.2E-08	1.4E-08
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-07	2.3E-06	6.0E-06	1.0E-04	1.5E-07	1.5E-07	3.2E-06	7.3E-06	6.7E-05	3.7E-05	3.4E-05	3.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14	F-SB-58RE-15	SB-58-15
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	15	11	12	13	14	15	15
BOTTOM DEPTH	11	12	13	14	15	15	11	12	13	14	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						1.5E-11						1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE						1.9E-10						1.9E-10
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09		2.2E-08	5.0E-06	1.3E-07	2.8E-09	2.8E-09	
NAPHTHALENE						1.3E-10						1.3E-10
AROCLOR-1254						1.4E-07						1.5E-07
AROCLOR-1260						1.4E-07						1.5E-07
ANTIMONY												
ARSENIC						2.4E-07						1.9E-06
CADMIUM						6.4E-11						7.0E-11
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						9.2E-12						1.2E-10
VANADIUM												
HEXAVALENT CHROMIUM						1.6E-07						7.2E-07
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	6.8E-07	2.2E-08	5.0E-06	1.3E-07	2.8E-09	2.8E-09	3.0E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						1.5E-10						1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE						9.8E-10						9.8E-10
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08		4.7E-07	1.1E-04	2.9E-06	6.0E-08	6.0E-08	
NAPHTHALENE						6.5E-10						6.5E-10
AROCLOR-1254						6.9E-07						7.7E-07
AROCLOR-1260						6.9E-07						7.7E-07
ANTIMONY												
ARSENIC						1.9E-06						1.5E-05
CADMIUM						1.3E-10						1.4E-10
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						1.9E-11						2.4E-10
VANADIUM												
HEXAVALENT CHROMIUM						2.3E-06						1.1E-05
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-06	4.7E-07	1.1E-04	2.9E-06	6.0E-08	6.0E-08	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D	SB-059	SB-062	SB-065
SAMPLE ID	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14	SB-59-15	SB-62-15	SB-65-15
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20040923	20040923	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	20	12	14	12	14	12	14	12	14	15	15	15
BOTTOM DEPTH	20	12	14	12	14	12	14	12	14	15	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.5E-11									1.5E-11	1.5E-11	1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-10									1.9E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	7.6E-07	1.8E-07	2.6E-09	3.6E-09	1.7E-06	1.5E-07	9.1E-07	1.7E-07	1.7E-07	1.0E-05		
NAPHTHALENE	1.3E-10									1.3E-10	1.3E-10	1.3E-10
AROCLOR-1254	1.6E-07									1.4E-07	1.5E-07	1.4E-07
AROCLOR-1260	1.6E-07									1.4E-07	1.5E-07	1.4E-07
ANTIMONY												
ARSENIC	9.1E-07									1.0E-06	2.6E-07	1.0E-07
CADMIUM	6.8E-11									5.7E-11	5.9E-11	6.4E-11
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.5E-10									9.8E-11	8.5E-12	4.3E-11
VANADIUM												
HEXAVALENT CHROMIUM	1.0E-07									7.4E-07	1.8E-07	3.9E-08
TOTAL CANCER RISK	2.1E-06	1.8E-07	2.6E-09	3.6E-09	1.7E-06	1.5E-07	9.1E-07	1.7E-07	1.7E-07	1.3E-05	7.4E-07	4.2E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.5E-10									1.5E-10	1.5E-10	1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.8E-10									9.8E-10	9.8E-10	9.8E-10
BAP EQUIVALENT-HALFND	1.7E-05	3.9E-06	5.6E-08	7.9E-08	3.7E-05	3.3E-06	2.0E-05	3.7E-06	3.8E-06	2.3E-04		
NAPHTHALENE	6.5E-10									6.5E-10	6.5E-10	6.5E-10
AROCLOR-1254	8.2E-07									7.2E-07	7.4E-07	6.9E-07
AROCLOR-1260	8.2E-07									7.2E-07	7.4E-07	6.9E-07
ANTIMONY												
ARSENIC	7.1E-06									8.0E-06	2.0E-06	8.1E-07
CADMIUM	1.4E-10									1.1E-10	1.2E-10	1.3E-10
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	3.0E-10									2.0E-10	1.7E-11	8.7E-11
VANADIUM												
HEXAVALENT CHROMIUM	1.6E-06									1.1E-05	2.6E-06	5.8E-07
TOTAL CANCER RISK	2.7E-05	3.9E-06	5.6E-08	7.9E-08	3.7E-05	3.3E-06	2.0E-05	3.7E-06	3.8E-06	2.5E-04	6.1E-06	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776
SAMPLE ID	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11
SAMPLE DATE	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	20	15	20	25	15	15	15	15	15	15	11	13	15	11
BOTTOM DEPTH	20	15	20	25	15	15	15	15	15	15	11	13	15	11
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.5E-11	1.5E-11	1.5E-11	1.5E-11										
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.9E-10	1.9E-10										
BAP EQUIVALENT-HALFND	6.8E-07	7.1E-07	1.1E-05	7.1E-07							3.9E-07	6.1E-07	7.3E-09	3.1E-07
NAPHTHALENE	1.3E-10	1.3E-10	1.3E-10	1.3E-10							8.4E-11	8.4E-11	9.1E-11	8.9E-11
AROCLOR-1254	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08				
AROCLOR-1260	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08				
ANTIMONY														
ARSENIC	1.0E-07	9.1E-07	4.4E-07	9.5E-08					3.7E-07					
CADMIUM	6.4E-11	6.6E-11	6.1E-11	5.9E-11					4.1E-12					
COBALT									1.9E-09					
IRON														
LEAD														
MANGANESE														
MERCURY														
MOLYBDENUM														
NICKEL	2.3E-11	6.6E-11	2.8E-11	5.0E-11					2.4E-10					
VANADIUM														
HEXAVALENT CHROMIUM	3.9E-08	3.9E-07	5.2E-07	4.4E-07					7.8E-07					
TOTAL CANCER RISK	1.1E-06	2.3E-06	1.2E-05	1.5E-06	3.8E-08	3.9E-08	4.0E-08	3.8E-08	1.2E-06	3.7E-08	3.9E-07	6.1E-07	7.4E-09	3.1E-07
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.5E-10	1.5E-10	1.5E-10	1.5E-10										
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	9.8E-10	9.8E-10	9.8E-10	9.8E-10										
BAP EQUIVALENT-HALFND	1.5E-05	1.5E-05	2.4E-04	1.5E-05							8.5E-06	1.3E-05	1.6E-07	6.6E-06
NAPHTHALENE	6.5E-10	6.5E-10	6.5E-10	6.5E-10							4.3E-10	4.3E-10	4.6E-10	4.5E-10
AROCLOR-1254	7.2E-07	7.7E-07	7.7E-07	7.4E-07	9.4E-08	9.7E-08	9.9E-08	9.4E-08	9.4E-08	9.2E-08				
AROCLOR-1260	7.2E-07	7.7E-07	7.7E-07	7.4E-07	9.4E-08	9.7E-08	9.9E-08	9.4E-08	9.4E-08	9.2E-08				
ANTIMONY														
ARSENIC	8.1E-07	7.1E-06	3.4E-06	7.4E-07					2.8E-06					
CADMIUM	1.3E-10	1.3E-10	1.2E-10	1.2E-10					8.2E-12					
COBALT									3.9E-09					
IRON														
LEAD														
MANGANESE														
MERCURY														
MOLYBDENUM														
NICKEL	4.6E-11	1.3E-10	5.7E-11	1.0E-10					4.8E-10					
VANADIUM														
HEXAVALENT CHROMIUM	5.8E-07	5.8E-06	7.8E-06	6.6E-06					1.2E-05					
TOTAL CANCER RISK	1.7E-05	3.0E-05	2.5E-04	2.4E-05	1.9E-07	1.9E-07	2.0E-07	1.9E-07	1.5E-05	1.8E-07	8.5E-06	1.3E-05	1.6E-07	6.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-776	SB-776	SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780
SAMPLE ID	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13
SAMPLE DATE	20100831	20100831	20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	3.4E-07	6.8E-09	7.5E-08	9.3E-07	6.8E-09	6.9E-09	2.2E-05	5.4E-08	7.3E-09	1.5E-07	6.8E-09	6.6E-09	6.9E-07
NAPHTHALENE	9.3E-11	8.4E-11	8.2E-11	1.6E-09	8.4E-11	8.7E-11	3.4E-09	8.7E-11	9.1E-11	8.4E-11	8.4E-11	8.2E-11	9.3E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	3.4E-07	6.8E-09	7.5E-08	9.3E-07	6.8E-09	7.0E-09	2.2E-05	5.4E-08	7.4E-09	1.5E-07	6.8E-09	6.7E-09	6.9E-07
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	7.3E-06	1.5E-07	1.6E-06	2.0E-05	1.5E-07	1.5E-07	4.7E-04	1.2E-06	1.6E-07	3.2E-06	1.5E-07	1.4E-07	1.5E-05
NAPHTHALENE	4.7E-10	4.3E-10	4.1E-10	8.3E-09	4.3E-10	4.4E-10	1.7E-08	4.4E-10	4.6E-10	4.3E-10	4.3E-10	4.1E-10	4.7E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.3E-06	1.5E-07	1.6E-06	2.0E-05	1.5E-07	1.5E-07	4.7E-04	1.2E-06	1.6E-07	3.2E-06	1.5E-07	1.4E-07	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784
SAMPLE ID	D-SB-780-15	D-SB-781-11	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15
SAMPLE DATE	20100901	20100901	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					5.8E-13	6.6E-13	5.6E-13	5.8E-13	6.3E-13	7.9E-13	6.3E-13	5.8E-13	6.3E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE					1.8E-11	2.0E-11	1.7E-11	1.8E-11	1.9E-11	2.4E-11	1.9E-11	1.8E-11	1.9E-11
BAP EQUIVALENT-HALFND	9.0E-08	6.4E-09	4.6E-07	6.8E-09	6.6E-09	2.0E-08	6.6E-09	6.8E-09	6.9E-09	6.9E-09	6.8E-09	6.6E-09	7.1E-09
NAPHTHALENE	8.4E-11	8.0E-11	8.9E-11	8.4E-11	3.5E-12	3.9E-12	3.2E-12	3.5E-12	3.9E-12	4.8E-12	3.7E-12	3.5E-12	3.7E-12
AROCLOR-1254					1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260					1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC					1.4E-06	1.7E-06	9.5E-07	7.7E-07	8.8E-07	1.6E-06	4.8E-07	9.1E-07	2.6E-06
CADMIUM					3.5E-12	2.5E-12	4.4E-12	2.5E-13	2.7E-13	4.3E-13	2.7E-13	3.2E-13	5.2E-13
COBALT					2.5E-09	1.3E-09	1.9E-09	9.8E-10	6.8E-10	1.8E-09	1.6E-09	2.1E-09	3.2E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					2.1E-10	1.0E-10	1.2E-10	6.0E-11	4.1E-11	1.6E-10	1.2E-10	1.7E-10	2.5E-10
VANADIUM													
HEXAVALENT CHROMIUM					5.5E-07	4.9E-07	3.7E-07	2.8E-07	3.1E-07	5.9E-07	4.0E-07	7.1E-07	8.9E-07
TOTAL CANCER RISK	9.0E-08	6.5E-09	4.6E-07	6.8E-09	2.0E-06	2.2E-06	1.3E-06	1.1E-06	1.2E-06	2.2E-06	9.0E-07	1.7E-06	3.6E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					5.8E-12	6.6E-12	5.6E-12	5.8E-12	6.3E-12	7.8E-12	6.3E-12	5.8E-12	6.3E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE					8.9E-11	1.0E-10	8.6E-11	8.9E-11	9.9E-11	1.2E-10	9.8E-11	9.1E-11	9.8E-11
BAP EQUIVALENT-HALFND	2.0E-06	1.4E-07	9.9E-06	1.5E-07	1.4E-07	4.4E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07
NAPHTHALENE	4.3E-10	4.0E-10	4.5E-10	4.3E-10	1.7E-11	2.0E-11	1.6E-11	1.7E-11	2.0E-11	2.4E-11	1.9E-11	1.7E-11	1.9E-11
AROCLOR-1254					5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08
AROCLOR-1260					5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08
ANTIMONY													
ARSENIC					1.1E-05	1.3E-05	7.4E-06	6.0E-06	6.8E-06	1.2E-05	3.7E-06	7.1E-06	2.1E-05
CADMIUM					7.1E-12	4.9E-12	8.8E-12	5.0E-13	5.5E-13	8.7E-13	5.5E-13	6.4E-13	1.1E-12
COBALT					5.0E-09	2.7E-09	3.8E-09	2.0E-09	1.4E-09	3.7E-09	3.3E-09	4.2E-09	6.5E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					4.2E-10	2.1E-10	2.3E-10	1.2E-10	8.3E-11	3.2E-10	2.4E-10	3.4E-10	5.0E-10
VANADIUM													
HEXAVALENT CHROMIUM					8.2E-06	7.3E-06	5.5E-06	4.2E-06	4.7E-06	8.9E-06	5.9E-06	1.1E-05	1.3E-05
TOTAL CANCER RISK	2.0E-06	1.4E-07	9.9E-06	1.5E-07	2.0E-05	2.1E-05	1.3E-05	1.0E-05	1.2E-05	2.1E-05	9.9E-06	1.8E-05	3.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788	SB-789
SAMPLE ID	D-SB-785-11	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11
SAMPLE DATE	20100908	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	6.1E-13	6.3E-13	6.1E-13	1.3E-11	1.6E-11	5.6E-13	5.6E-13	5.8E-13	5.8E-13	8.1E-13	6.6E-13	5.6E-13	5.6E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.9E-11	1.9E-11	1.9E-11	1.8E-10	2.3E-10	1.7E-11	1.7E-11	1.8E-11	1.8E-11	2.5E-11	2.1E-11	1.7E-11	1.7E-11
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-08	6.8E-09	6.6E-09	6.9E-09	6.4E-09	6.6E-09	6.8E-09	6.4E-09	6.9E-09	7.1E-09	6.6E-09	6.8E-09
NAPHTHALENE	1.7E-11	1.8E-11	1.8E-11	1.1E-08	2.3E-08	2.0E-09	1.6E-11	1.7E-11	1.6E-11	2.4E-11	1.9E-11	1.6E-11	3.5E-12
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	1.2E-06	1.1E-06	1.4E-06	9.1E-07	4.8E-07	3.2E-07	1.8E-06	2.0E-06	6.2E-07	2.0E-06	2.7E-06	1.9E-06	1.0E-06
CADMIUM	2.1E-13	5.5E-12	3.0E-13	1.0E-12	1.9E-12	1.5E-12	3.5E-12	4.1E-12	3.5E-12	1.5E-12	4.8E-13	7.0E-13	3.0E-13
COBALT	1.8E-09	3.1E-09	2.0E-09	3.4E-10	1.9E-09	4.3E-10	1.7E-09	2.7E-09	1.1E-09	2.8E-09	1.2E-09	2.5E-09	1.3E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	1.5E-10	2.2E-10	1.8E-10	1.6E-11	9.2E-11	2.1E-11	1.1E-10	1.6E-10	6.0E-11	2.5E-10	1.1E-10	2.3E-10	1.0E-10
VANADIUM													
HEXAVALENT CHROMIUM	7.9E-07	6.4E-07	7.9E-07	1.0E-07	5.2E-07	5.8E-08	8.0E-07	7.7E-07	1.3E-07	9.4E-07	8.3E-07	8.5E-07	3.8E-07
TOTAL CANCER RISK	2.0E-06	1.9E-06	2.2E-06	1.1E-06	1.0E-06	4.1E-07	2.7E-06	2.8E-06	7.8E-07	3.0E-06	3.6E-06	2.8E-06	1.4E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	6.1E-12	6.3E-12	6.1E-12	1.3E-10	1.6E-10	5.6E-12	5.6E-12	5.8E-12	5.8E-12	8.1E-12	6.6E-12	5.6E-12	5.6E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.6E-11	9.9E-11	9.6E-11	9.1E-10	1.2E-09	8.6E-11	8.6E-11	8.9E-11	9.1E-11	1.3E-10	1.1E-10	8.6E-11	8.8E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-06	1.5E-07	1.4E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07
NAPHTHALENE	8.7E-11	8.8E-11	8.8E-11	5.7E-08	1.2E-07	1.0E-08	8.3E-11	8.4E-11	8.3E-11	1.2E-10	9.5E-11	8.0E-11	1.7E-11
AROCLOR-1254	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC	9.1E-06	8.8E-06	1.1E-05	7.1E-06	3.7E-06	2.5E-06	1.4E-05	1.5E-05	4.8E-06	1.6E-05	2.1E-05	1.5E-05	8.0E-06
CADMIUM	4.2E-13	1.1E-11	6.0E-13	2.1E-12	3.8E-12	3.1E-12	7.1E-12	8.3E-12	7.1E-12	3.1E-12	9.6E-13	1.4E-12	6.0E-13
COBALT	3.7E-09	6.3E-09	3.9E-09	6.9E-10	3.9E-09	8.7E-10	3.4E-09	5.4E-09	2.2E-09	5.6E-09	2.3E-09	5.1E-09	2.6E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	3.0E-10	4.3E-10	3.7E-10	3.3E-11	1.9E-10	4.2E-11	2.1E-10	3.3E-10	1.2E-10	5.0E-10	2.2E-10	4.6E-10	2.1E-10
VANADIUM													
HEXAVALENT CHROMIUM	1.2E-05	9.6E-06	1.2E-05	1.6E-06	7.8E-06	8.7E-07	1.2E-05	1.1E-05	1.9E-06	1.4E-05	1.2E-05	1.3E-05	5.6E-06
TOTAL CANCER RISK	2.1E-05	2.0E-05	2.3E-05	9.0E-06	1.2E-05	3.6E-06	2.6E-05	2.7E-05	7.0E-06	3.0E-05	3.4E-05	2.8E-05	1.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792	SB-792	SB-793	SB-793
SAMPLE ID	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	5.6E-13	6.1E-13	6.3E-13	6.1E-13	5.6E-13	5.8E-13	7.1E-13	6.3E-13	5.8E-13	6.3E-13	6.3E-13	6.3E-13	6.1E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.8E-11	1.9E-11	1.9E-11	1.9E-11	1.8E-11	1.8E-11	2.2E-11	1.9E-11	1.8E-11	1.9E-11	2.0E-11	1.9E-11	1.9E-11
BAP EQUIVALENT-HALFND	6.9E-09	6.6E-09	7.1E-09	6.9E-09	6.6E-09	6.6E-09	6.8E-09	7.1E-09	6.6E-09	7.1E-09	6.6E-09	6.8E-09	6.8E-09
NAPHTHALENE	3.5E-12	3.7E-12	3.9E-12	3.7E-12	3.5E-12	1.7E-11	2.2E-11	1.8E-11	1.7E-11	1.7E-11	1.9E-11	3.9E-12	3.7E-12
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	2.5E-06	1.6E-06	7.7E-07	1.8E-06	1.2E-06	1.4E-06	1.0E-06	3.0E-06	1.2E-06	1.8E-06	2.4E-07	1.7E-06	9.9E-07
CADMIUM	1.9E-12	1.5E-12	2.2E-13	5.7E-13	6.1E-13	3.4E-13	3.9E-13	5.7E-13	4.3E-13	6.1E-13	4.5E-13	5.0E-13	5.5E-13
COBALT	4.8E-09	4.1E-09	5.9E-10	2.0E-09	1.7E-09	8.4E-10	1.3E-09	3.1E-09	2.0E-09	3.1E-09	1.2E-09	3.4E-09	2.5E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	3.6E-10	2.7E-10	3.5E-11	1.8E-10	1.6E-10	6.1E-11	1.2E-10	1.8E-10	1.1E-10	2.5E-10	5.6E-11	1.9E-10	1.2E-10
VANADIUM													
HEXAVALENT CHROMIUM	9.2E-07	7.7E-07	2.6E-07	6.1E-07	6.3E-07	4.4E-07	5.7E-07	1.5E-06	7.2E-07	1.5E-06	3.3E-07	7.3E-07	5.0E-07
TOTAL CANCER RISK	3.4E-06	2.4E-06	1.1E-06	2.5E-06	1.9E-06	1.9E-06	1.6E-06	4.6E-06	2.0E-06	3.4E-06	6.0E-07	2.4E-06	1.5E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	5.6E-12	6.1E-12	6.3E-12	6.1E-12	5.6E-12	5.8E-12	7.1E-12	6.3E-12	5.8E-12	6.3E-12	6.3E-12	6.3E-12	6.1E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.9E-11	9.6E-11	9.9E-11	9.6E-11	8.9E-11	9.3E-11	1.1E-10	9.8E-11	9.3E-11	9.8E-11	1.0E-10	9.9E-11	9.8E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07
NAPHTHALENE	1.7E-11	1.9E-11	2.0E-11	1.9E-11	1.7E-11	8.6E-11	1.1E-10	9.1E-11	8.7E-11	8.6E-11	9.5E-11	2.0E-11	1.9E-11
AROCLOR-1254	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC	1.9E-05	1.3E-05	6.0E-06	1.4E-05	9.4E-06	1.1E-05	8.0E-06	2.3E-05	9.4E-06	1.4E-05	1.9E-06	1.3E-05	7.7E-06
CADMIUM	3.8E-12	3.1E-12	4.4E-13	1.1E-12	1.2E-12	6.9E-13	7.8E-13	1.1E-12	8.7E-13	1.2E-12	9.2E-13	1.0E-12	1.1E-12
COBALT	9.8E-09	8.3E-09	1.2E-09	4.0E-09	3.4E-09	1.7E-09	2.7E-09	6.2E-09	4.0E-09	6.2E-09	2.5E-09	6.9E-09	5.0E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	7.2E-10	5.5E-10	7.1E-11	3.7E-10	3.3E-10	1.2E-10	2.3E-10	3.7E-10	2.1E-10	5.0E-10	1.1E-10	3.8E-10	2.5E-10
VANADIUM													
HEXAVALENT CHROMIUM	1.4E-05	1.1E-05	3.9E-06	9.1E-06	9.4E-06	6.6E-06	8.5E-06	2.3E-05	1.1E-05	2.3E-05	5.0E-06	1.1E-05	7.4E-06
TOTAL CANCER RISK	3.3E-05	2.5E-05	1.0E-05	2.4E-05	1.9E-05	1.8E-05	1.7E-05	4.7E-05	2.0E-05	3.7E-05	7.1E-06	2.4E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE	6.1E-13	5.8E-13	6.1E-13	6.1E-13	6.8E-13	6.8E-13	7.1E-13	5.6E-13	6.1E-13	5.8E-13
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE	1.9E-11	1.8E-11	1.9E-11	1.9E-11	2.1E-11	2.1E-11	2.2E-11	1.7E-11	1.9E-11	1.8E-11
BAP EQUIVALENT-HALFND	6.9E-09	6.8E-09	6.9E-09	6.8E-09	6.8E-09	6.9E-09	6.9E-09	6.6E-09	6.9E-09	6.6E-09
NAPHTHALENE	3.7E-12	3.7E-12	1.6E-11	1.7E-11	1.9E-11	1.9E-11	2.0E-11	1.5E-11	1.6E-11	1.5E-11
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09
ANTIMONY										
ARSENIC	7.7E-07	5.5E-07	2.6E-06	8.4E-07	8.4E-07	1.5E-06	1.2E-06	4.8E-07	1.6E-07	2.7E-06
CADMIUM	3.9E-13	3.2E-13	7.5E-13	4.5E-13	2.1E-13	4.5E-13	3.4E-13	5.2E-13	5.7E-13	4.5E-13
COBALT	2.7E-09	1.4E-09	3.3E-09	2.4E-09	3.9E-10	2.7E-09	2.3E-09	8.9E-10	5.5E-10	8.2E-10
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL	1.5E-10	7.9E-11	2.3E-10	1.5E-10	2.6E-11	2.0E-10	1.6E-10	5.6E-11	2.7E-11	3.7E-11
VANADIUM										
HEXAVALENT CHROMIUM	4.9E-07	2.6E-07	7.3E-07	6.2E-07	3.4E-07	9.0E-07	7.0E-07	4.8E-07	1.0E-07	9.6E-08
TOTAL CANCER RISK	1.3E-06	8.4E-07	3.3E-06	1.5E-06	1.2E-06	2.5E-06	1.9E-06	9.8E-07	2.9E-07	2.8E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE	6.1E-12	5.8E-12	6.1E-12	6.1E-12	6.8E-12	6.8E-12	7.1E-12	5.6E-12	6.1E-12	5.8E-12
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE	9.6E-11	9.3E-11	9.4E-11	9.4E-11	1.1E-10	1.1E-10	1.1E-10	8.6E-11	9.4E-11	8.9E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.4E-07
NAPHTHALENE	1.9E-11	1.9E-11	8.2E-11	8.4E-11	9.6E-11	9.4E-11	1.0E-10	7.5E-11	8.1E-11	7.6E-11
AROCLOR-1254	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08
ANTIMONY										
ARSENIC	6.0E-06	4.3E-06	2.0E-05	6.6E-06	6.6E-06	1.2E-05	9.1E-06	3.7E-06	1.2E-06	2.1E-05
CADMIUM	7.8E-13	6.4E-13	1.5E-12	9.2E-13	4.3E-13	9.2E-13	6.9E-13	1.1E-12	1.1E-12	9.2E-13
COBALT	5.5E-09	2.7E-09	6.7E-09	4.9E-09	7.8E-10	5.4E-09	4.6E-09	1.8E-09	1.1E-09	1.6E-09
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL	3.1E-10	1.6E-10	4.7E-10	3.1E-10	5.2E-11	4.0E-10	3.2E-10	1.1E-10	5.4E-11	7.5E-11
VANADIUM										
HEXAVALENT CHROMIUM	7.3E-06	4.0E-06	1.1E-05	9.3E-06	5.1E-06	1.3E-05	1.1E-05	7.1E-06	1.5E-06	1.4E-06
TOTAL CANCER RISK	1.4E-05	8.5E-06	3.1E-05	1.6E-05	1.2E-05	2.6E-05	2.0E-05	1.1E-05	3.0E-06	2.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770
SAMPLE ID	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13
SAMPLE DATE	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	7.0E-05	5.0E-04	2.8E-06	2.6E-06	1.4E-05	2.5E-06	2.4E-06	3.3E-05	2.5E-06	2.5E-06	2.5E-06	2.5E-06	1.6E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.0E-05	5.0E-04	2.8E-06	2.6E-06	1.4E-05	2.5E-06	2.4E-06	3.3E-05	2.5E-06	2.5E-06	2.5E-06	2.5E-06	1.6E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.3E-04	2.3E-03	1.3E-05	1.2E-05	6.5E-05	1.2E-05	1.1E-05	1.5E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	7.6E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	3.3E-04	2.3E-03	1.3E-05	1.2E-05	6.5E-05	1.2E-05	1.1E-05	1.5E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	7.6E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15
SAMPLE DATE	20100830	20100910	20100910	20100910	20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.0E-05	2.5E-06	2.6E-06	2.5E-06	1.2E-04	3.5E-05	1.2E-03	2.6E-06	2.6E-06	2.5E-06	1.5E-05	9.5E-05	5.9E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	3.0E-05	2.5E-06	2.6E-06	2.5E-06	1.2E-04	3.5E-05	1.2E-03	2.6E-06	2.6E-06	2.5E-06	1.5E-05	9.5E-05	5.9E-05
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.4E-04	1.2E-05	1.2E-05	1.2E-05	5.6E-04	1.6E-04	5.8E-03	1.2E-05	1.2E-05	1.2E-05	7.0E-05	4.5E-04	2.8E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	1.4E-04	1.2E-05	1.2E-05	1.2E-05	5.6E-04	1.6E-04	5.8E-03	1.2E-05	1.2E-05	1.2E-05	7.0E-05	4.5E-04	2.8E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-774	SB-774	SB-057	SB-058	SB-058	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067
SAMPLE ID	D-SB-774-15-AVG	D-SB-774-15-D	SB-57-15	SB-58-15	SB-58-20	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20
SAMPLE DATE	20100910	20100910	20040913	20040913	20040913	20040923	20040923	20040917	20040917	20040927	20040927
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15	15	20	15	15	15	20	15	20
BOTTOM DEPTH	15	15	15	15	20	15	15	15	20	15	20
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE			1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE			8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.9E-05	7.9E-05	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1254			9.8E-03	1.1E-02	1.1E-02	1.0E-02	1.0E-02	9.8E-03	1.0E-02	1.1E-02	1.1E-02
AROCLOR-1260											
ANTIMONY						2.9E-03	3.0E-03		3.2E-03	3.3E-03	3.1E-03
ARSENIC			1.5E-03	1.2E-02	5.7E-03	6.4E-03	1.6E-03	6.5E-04	6.5E-04	5.7E-03	2.7E-03
CADMIUM			1.7E-03	1.9E-03	1.9E-03	1.6E-03	1.6E-03	1.7E-03	1.7E-03	1.8E-03	1.7E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY			2.6E-04	2.8E-04	2.8E-04	2.4E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	2.6E-04
MOLYBDENUM											
NICKEL			1.5E-04	1.9E-03	2.4E-03	1.6E-03	1.4E-04	7.0E-04	3.7E-04	1.1E-03	4.6E-04
VANADIUM											
HEXAVALENT CHROMIUM			2.9E-04	1.3E-03	1.9E-04	1.4E-03	3.3E-04	7.2E-05	7.2E-05	7.2E-04	9.7E-04
TOTAL HAZARD INDEX	6.9E-05	7.9E-05	1.4E-02	2.8E-02	2.2E-02	2.4E-02	1.7E-02	1.3E-02	1.6E-02	2.4E-02	2.0E-02
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE			4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05
1,2,4-TRICHLOROBENZENE			3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.2E-04	3.7E-04	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1254			1.2E-01	1.4E-01	1.5E-01	1.3E-01	1.3E-01	1.2E-01	1.3E-01	1.4E-01	1.4E-01
AROCLOR-1260											
ANTIMONY						4.7E-02	4.9E-02		5.3E-02	5.5E-02	5.1E-02
ARSENIC			3.1E-02	2.4E-01	1.2E-01	1.3E-01	3.3E-02	1.3E-02	1.3E-02	1.2E-01	5.5E-02
CADMIUM			3.8E-02	4.2E-02	4.1E-02	3.4E-02	3.5E-02	3.8E-02	3.8E-02	3.9E-02	3.6E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY			3.3E-03	3.6E-03	3.6E-03	3.0E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	3.3E-03
MOLYBDENUM											
NICKEL			1.5E-03	2.0E-02	2.5E-02	1.6E-02	1.4E-03	7.2E-03	3.8E-03	1.1E-02	4.7E-03
VANADIUM											
HEXAVALENT CHROMIUM			2.6E-03	1.2E-02	1.7E-03	1.2E-02	2.9E-03	6.3E-04	6.3E-04	6.3E-03	8.6E-03
TOTAL HAZARD INDEX	3.2E-04	3.7E-04	2.0E-01	4.6E-01	3.3E-01	3.7E-01	2.6E-01	1.9E-01	2.4E-01	3.7E-01	3.0E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-067	SB-244	SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15
SAMPLE DATE	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	25	15	15	15	15	15	15	11	13	15	11	13	15
BOTTOM DEPTH	25	15	15	15	15	15	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.8E-06												
1,2,4-TRICHLOROBENZENE	8.5E-06												
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.9E-08												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.8E-06							2.4E-06	2.4E-06	2.6E-06	2.6E-06	2.7E-06	2.4E-06
AROCLOR-1254	1.0E-02	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03						
AROCLOR-1260													
ANTIMONY	3.0E-03					9.2E-04							
ARSENIC	5.9E-04					2.3E-03							
CADMIUM	1.6E-03					1.1E-04							
COBALT						1.6E-02							
IRON													
LEAD													
MANGANESE													
MERCURY	2.4E-04					4.7E-06							
MOLYBDENUM						3.3E-05							
NICKEL	8.1E-04					3.8E-03							
VANADIUM						6.8E-03							
HEXAVALENT CHROMIUM	8.2E-04					1.4E-03							
TOTAL HAZARD INDEX	1.8E-02	1.3E-03	1.4E-03	1.4E-03	1.3E-03	3.3E-02	1.3E-03	2.4E-06	2.4E-06	2.6E-06	2.6E-06	2.7E-06	2.4E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	4.8E-05												
1,2,4-TRICHLOROBENZENE	3.9E-05												
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.4E-07												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.8E-05							1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05
AROCLOR-1254	1.3E-01	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.7E-02	1.6E-02						
AROCLOR-1260													
ANTIMONY	4.9E-02					1.5E-02							
ARSENIC	1.2E-02					4.6E-02							
CADMIUM	3.5E-02					2.4E-03							
COBALT						3.7E-01							
IRON													
LEAD													
MANGANESE													
MERCURY	3.0E-03					6.0E-05							
MOLYBDENUM						7.9E-04							
NICKEL	8.3E-03					3.9E-02							
VANADIUM						1.6E-01							
HEXAVALENT CHROMIUM	7.2E-03					1.3E-02							
TOTAL HAZARD INDEX	2.5E-01	1.7E-02	1.7E-02	1.8E-02	1.7E-02	6.7E-01	1.6E-02	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781
SAMPLE ID	D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11
SAMPLE DATE	20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.4E-06	4.8E-05	2.4E-06	2.5E-06	9.8E-05	2.5E-06	2.6E-06	2.4E-06	2.4E-06	2.4E-06	2.7E-06	2.4E-06	2.3E-06
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	2.4E-06	4.8E-05	2.4E-06	2.5E-06	9.8E-05	2.5E-06	2.6E-06	2.4E-06	2.4E-06	2.4E-06	2.7E-06	2.4E-06	2.3E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-05	2.2E-04	1.1E-05	1.2E-05	4.6E-04	1.2E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	1.1E-05	2.2E-04	1.1E-05	1.2E-05	4.6E-04	1.2E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785	SB-785
SAMPLE ID	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11	D-SB-785-13
SAMPLE DATE	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE			9.8E-08	1.1E-07	9.5E-08	9.8E-08	1.1E-07	1.3E-07	1.1E-07	9.8E-08	1.1E-07	1.0E-07	1.1E-07
1,2,4-TRICHLOROBENZENE			3.3E-07	3.7E-07	3.1E-07	3.3E-07	3.5E-07	4.4E-07	3.5E-07	3.3E-07	3.5E-07	3.4E-07	3.5E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE			8.2E-09	9.3E-09	7.9E-09	8.2E-09	9.0E-09	1.1E-08	8.9E-09	8.3E-09	8.9E-09	8.7E-09	9.0E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.6E-06	2.4E-06	1.0E-07	1.1E-07	9.4E-08	1.0E-07	1.1E-07	1.4E-07	1.1E-07	1.0E-07	1.1E-07	5.0E-07	5.1E-07
AROCLOR-1254			7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.3E-04
AROCLOR-1260													
ANTIMONY			2.5E-04	2.2E-04	8.3E-05	1.3E-04	9.7E-05	8.3E-04	1.4E-04	2.1E-04	9.0E-04	6.4E-04	2.8E-04
ARSENIC			8.9E-03	1.0E-02	5.9E-03	4.8E-03	5.5E-03	9.8E-03	3.0E-03	5.7E-03	1.6E-02	7.3E-03	7.1E-03
CADMIUM			9.6E-05	6.7E-05	1.2E-04	6.8E-06	7.5E-06	1.2E-05	7.5E-06	8.7E-06	1.4E-05	5.7E-06	1.5E-04
COBALT			2.0E-02	1.1E-02	1.5E-02	8.0E-03	5.6E-03	1.5E-02	1.3E-02	1.7E-02	2.7E-02	1.5E-02	2.5E-02
IRON			2.5E-02	1.5E-02	4.0E-03	6.8E-03	5.2E-03	2.6E-02	1.8E-02	2.5E-02	4.8E-02	3.1E-02	2.7E-02
LEAD													
MANGANESE			3.0E-03	2.8E-03	8.6E-04	2.8E-03	1.3E-03	5.7E-03	4.7E-03	4.9E-03	1.3E-02	5.9E-03	8.6E-03
MERCURY			4.0E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.0E-05	4.2E-05	4.2E-05	2.8E-04
MOLYBDENUM			4.8E-05	7.4E-05	4.0E-06	1.3E-05	1.9E-05	5.6E-05	1.7E-05	4.9E-05	9.1E-05	3.5E-05	6.6E-05
NICKEL			3.3E-03	1.7E-03	1.9E-03	9.6E-04	6.7E-04	2.6E-03	1.9E-03	2.7E-03	4.0E-03	2.4E-03	3.5E-03
VANADIUM			4.5E-03	3.3E-03	7.3E-04	1.5E-03	2.0E-03	4.0E-03	1.7E-03	4.7E-03	5.6E-03	3.4E-03	3.8E-03
HEXAVALENT CHROMIUM			1.0E-03	9.1E-04	6.9E-04	5.2E-04	5.8E-04	1.1E-03	7.4E-04	1.3E-03	1.7E-03	1.5E-03	1.2E-03
TOTAL HAZARD INDEX	2.6E-06	2.4E-06	6.7E-02	4.6E-02	3.0E-02	2.6E-02	2.2E-02	6.6E-02	4.5E-02	6.2E-02	1.2E-01	6.7E-02	7.8E-02
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE			2.6E-06	2.9E-06	2.5E-06	2.6E-06	2.8E-06	3.4E-06	2.8E-06	2.6E-06	2.8E-06	2.7E-06	2.8E-06
1,2,4-TRICHLOROBENZENE			1.5E-06	1.7E-06	1.4E-06	1.5E-06	1.6E-06	2.0E-06	1.6E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE			7.7E-08	8.9E-08	7.5E-08	7.7E-08	8.6E-08	1.1E-07	8.4E-08	7.9E-08	8.4E-08	8.3E-08	8.6E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.2E-05	1.1E-05	4.7E-07	5.3E-07	4.4E-07	4.7E-07	5.3E-07	6.5E-07	5.0E-07	4.7E-07	5.0E-07	2.3E-06	2.4E-06
AROCLOR-1254			8.9E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	9.3E-03
AROCLOR-1260													
ANTIMONY			4.2E-03	3.6E-03	1.4E-03	2.1E-03	1.6E-03	1.4E-02	2.3E-03	3.4E-03	1.5E-02	1.1E-02	4.6E-03
ARSENIC			1.8E-01	2.1E-01	1.2E-01	9.7E-02	1.1E-01	2.0E-01	6.0E-02	1.2E-01	3.3E-01	1.5E-01	1.4E-01
CADMIUM			2.1E-03	1.5E-03	2.6E-03	1.5E-04	1.6E-04	2.6E-04	1.6E-04	1.9E-04	3.1E-04	1.2E-04	3.2E-03
COBALT			4.8E-01	2.6E-01	3.6E-01	1.9E-01	1.3E-01	3.6E-01	3.2E-01	4.0E-01	6.3E-01	3.5E-01	6.0E-01
IRON			5.8E-01	3.6E-01	9.6E-02	1.6E-01	1.2E-01	6.2E-01	4.4E-01	5.9E-01	1.1E+00	7.3E-01	6.4E-01
LEAD													
MANGANESE			3.1E-02	2.9E-02	8.8E-03	2.8E-02	1.4E-02	5.9E-02	4.8E-02	5.1E-02	1.3E-01	6.1E-02	8.8E-02
MERCURY			5.1E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.1E-04	5.4E-04	5.4E-04	3.5E-03
MOLYBDENUM			1.1E-03	1.8E-03	9.6E-05	3.2E-04	4.5E-04	1.3E-03	3.9E-04	1.2E-03	2.2E-03	8.4E-04	1.6E-03
NICKEL			3.4E-02	1.7E-02	1.9E-02	9.9E-03	6.9E-03	2.7E-02	2.0E-02	2.8E-02	4.1E-02	2.4E-02	3.6E-02
VANADIUM			1.1E-01	7.8E-02	1.7E-02	3.6E-02	4.7E-02	9.5E-02	3.9E-02	1.1E-01	1.3E-01	8.1E-02	9.0E-02
HEXAVALENT CHROMIUM			9.0E-03	8.0E-03	6.1E-03	4.6E-03	5.2E-03	9.8E-03	6.5E-03	1.2E-02	1.5E-02	1.3E-02	1.0E-02
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.4E+00	9.8E-01	6.4E-01	5.4E-01	4.5E-01	1.4E+00	9.4E-01	1.3E+00	2.4E+00	1.4E+00	1.6E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11	D-SB-789-13	D-SB-789-15
SAMPLE DATE	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.0E-07	2.1E-06	2.7E-06	9.2E-08	9.5E-08	9.8E-08	9.8E-08	1.3E-07	1.1E-07	9.2E-08	9.5E-08	9.8E-08	1.0E-07
1,2,4-TRICHLOROBENZENE	3.4E-07	7.2E-06	9.2E-06	3.1E-07	3.1E-07	3.3E-07	3.3E-07	4.5E-07	3.7E-07	3.1E-07	3.1E-07	3.1E-07	3.4E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.7E-09	8.3E-08	1.1E-07	7.9E-09	7.9E-09	8.2E-09	8.3E-09	1.1E-08	9.6E-09	7.9E-09	8.0E-09	8.2E-09	8.7E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	5.1E-07	3.3E-04	6.7E-04	5.9E-05	4.8E-07	4.8E-07	4.8E-07	6.9E-07	5.5E-07	4.6E-07	1.0E-07	1.0E-07	1.1E-07
AROCLOR-1254	7.0E-04	6.6E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260													
ANTIMONY	6.4E-04	3.1E-05	1.7E-04	1.5E-04	7.6E-04	5.1E-04	3.1E-05	9.9E-04	7.1E-04	9.0E-04	3.2E-04	1.1E-03	7.4E-04
ARSENIC	8.7E-03	5.7E-03	3.0E-03	2.0E-03	1.1E-02	1.2E-02	3.9E-03	1.3E-02	1.7E-02	1.2E-02	6.4E-03	1.6E-02	1.0E-02
CADMIUM	8.1E-06	2.9E-05	5.1E-05	4.2E-05	9.7E-05	1.1E-04	9.6E-05	4.2E-05	1.3E-05	1.9E-05	8.1E-06	5.1E-05	4.2E-05
COBALT	1.6E-02	2.8E-03	1.6E-02	3.5E-03	1.4E-02	2.2E-02	8.9E-03	2.3E-02	9.5E-03	2.1E-02	1.1E-02	4.0E-02	3.4E-02
IRON	3.0E-02	1.4E-03	1.1E-02	3.7E-04	2.7E-02	1.7E-02	8.1E-04	3.9E-02	3.3E-02	3.5E-02	1.5E-02	6.7E-02	3.5E-02
LEAD													
MANGANESE	4.8E-03	2.8E-04	5.0E-04	1.4E-04	1.8E-03	1.4E-03	6.1E-04	9.3E-03	3.5E-03	8.3E-03	4.4E-03	3.0E-02	9.4E-03
MERCURY	4.2E-05	4.0E-05	4.2E-05	4.0E-05	4.0E-05	4.2E-05	4.0E-05	4.2E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.0E-05
MOLYBDENUM	6.1E-05	4.0E-06	1.4E-05	1.1E-05	8.6E-05	3.4E-05	2.0E-05	8.5E-05	8.5E-05	7.8E-05	2.4E-05	1.1E-04	7.4E-05
NICKEL	2.9E-03	2.6E-04	1.5E-03	3.4E-04	1.7E-03	2.6E-03	9.6E-04	4.0E-03	1.8E-03	3.7E-03	1.7E-03	5.7E-03	4.4E-03
VANADIUM	5.3E-03	5.1E-04	1.8E-03	1.8E-04	7.4E-03	6.1E-03	6.6E-04	4.4E-03	7.2E-03	4.1E-03	2.7E-03	7.3E-03	6.3E-03
HEXAVALENT CHROMIUM	1.5E-03	1.9E-04	9.7E-04	1.1E-04	1.5E-03	1.4E-03	2.4E-04	1.7E-03	1.5E-03	1.6E-03	7.0E-04	1.7E-03	1.4E-03
TOTAL HAZARD INDEX	7.1E-02	1.2E-02	3.6E-02	7.6E-03	6.6E-02	6.4E-02	1.7E-02	9.6E-02	7.6E-02	8.7E-02	4.2E-02	1.7E-01	1.0E-01
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	2.7E-06	5.6E-05	7.1E-05	2.4E-06	2.5E-06	2.6E-06	2.6E-06	3.5E-06	3.0E-06	2.4E-06	2.5E-06	2.6E-06	2.7E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	3.3E-05	4.2E-05	1.4E-06	1.4E-06	1.5E-06	1.5E-06	2.1E-06	1.7E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.3E-08	7.9E-07	1.0E-06	7.5E-08	7.5E-08	7.7E-08	7.9E-08	1.1E-07	9.1E-08	7.5E-08	7.6E-08	7.7E-08	8.3E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.4E-06	1.5E-03	3.1E-03	2.8E-04	2.2E-06	2.3E-06	2.2E-06	3.2E-06	2.6E-06	2.1E-06	4.7E-07	4.7E-07	5.0E-07
AROCLOR-1254	8.9E-03	8.5E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260													
ANTIMONY	1.1E-02	5.1E-04	2.8E-03	2.4E-03	1.3E-02	8.3E-03	5.1E-04	1.6E-02	1.2E-02	1.5E-02	5.3E-03	1.8E-02	1.2E-02
ARSENIC	1.8E-01	1.2E-01	6.0E-02	4.1E-02	2.3E-01	2.5E-01	7.9E-02	2.6E-01	3.5E-01	2.4E-01	1.3E-01	3.1E-01	2.1E-01
CADMIUM	1.8E-04	6.2E-04	1.1E-03	9.2E-04	2.1E-03	2.5E-03	2.1E-03	9.2E-04	2.8E-04	4.2E-04	1.8E-04	1.1E-03	9.2E-04
COBALT	3.8E-01	6.6E-02	3.7E-01	8.3E-02	3.3E-01	5.1E-01	2.1E-01	5.4E-01	2.2E-01	4.9E-01	2.5E-01	9.3E-01	7.9E-01
IRON	7.1E-01	3.4E-02	2.5E-01	8.7E-03	6.3E-01	4.1E-01	1.9E-02	9.4E-01	7.9E-01	8.2E-01	3.5E-01	1.6E+00	8.2E-01
LEAD													
MANGANESE	4.9E-02	2.8E-03	5.1E-03	1.5E-03	1.9E-02	1.4E-02	6.3E-03	9.5E-02	3.5E-02	8.5E-02	4.5E-02	3.1E-01	9.7E-02
MERCURY	5.4E-04	5.1E-04	5.4E-04	5.1E-04	5.1E-04	5.4E-04	5.1E-04	5.4E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.1E-04
MOLYBDENUM	1.4E-03	9.5E-05	3.4E-04	2.5E-04	2.1E-03	8.1E-04	4.7E-04	2.0E-03	2.0E-03	1.8E-03	5.8E-04	2.6E-03	1.8E-03
NICKEL	3.0E-02	2.7E-03	1.5E-02	3.5E-03	1.8E-02	2.7E-02	9.9E-03	4.1E-02	1.8E-02	3.8E-02	1.7E-02	5.9E-02	4.5E-02
VANADIUM	1.3E-01	1.2E-02	4.3E-02	4.2E-03	1.8E-01	1.4E-01	1.6E-02	1.1E-01	1.7E-01	9.6E-02	6.5E-02	1.7E-01	1.5E-01
HEXAVALENT CHROMIUM	1.3E-02	1.7E-03	8.5E-03	9.5E-04	1.3E-02	1.3E-02	2.1E-03	1.5E-02	1.4E-02	1.4E-02	6.2E-03	1.5E-02	1.3E-02
TOTAL HAZARD INDEX	1.5E+00	2.5E-01	7.8E-01	1.6E-01	1.4E+00	1.4E+00	3.5E-01	2.0E+00	1.6E+00	1.8E+00	8.7E-01	3.4E+00	2.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792	SB-792	SB-793	SB-793	SB-793	SB-794
SAMPLE ID	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11
SAMPLE DATE	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.1E-07	1.0E-07	9.5E-08	1.0E-07	1.2E-07	1.1E-07	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.0E-07	1.0E-07
1,2,4-TRICHLOROBENZENE	3.5E-07	3.4E-07	3.1E-07	3.3E-07	4.0E-07	3.5E-07	3.3E-07	3.5E-07	3.5E-07	3.5E-07	3.4E-07	3.4E-07	3.3E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.0E-09	8.7E-09	8.2E-09	8.4E-09	1.0E-08	8.9E-09	8.4E-09	8.9E-09	9.2E-09	9.0E-09	8.9E-09	8.7E-09	8.4E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-07	1.1E-07	1.0E-07	5.0E-07	6.3E-07	5.2E-07	5.0E-07	5.0E-07	5.5E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04
AROCLOR-1260													
ANTIMONY	1.2E-04	9.4E-04	5.1E-04	1.3E-04	2.1E-04	1.6E-03	1.6E-04	1.9E-03	4.9E-05	3.2E-04	2.0E-04	1.4E-04	8.5E-05
ARSENIC	4.8E-03	1.1E-02	7.5E-03	8.9E-03	6.4E-03	1.9E-02	7.5E-03	1.1E-02	1.5E-03	1.0E-02	6.2E-03	4.8E-03	3.4E-03
CADMIUM	6.0E-06	1.6E-05	1.7E-05	9.3E-06	1.1E-05	1.6E-05	1.2E-05	1.7E-05	1.2E-05	1.4E-05	1.5E-05	1.1E-05	8.7E-06
COBALT	4.8E-03	1.6E-02	1.4E-02	6.9E-03	1.1E-02	2.5E-02	1.6E-02	2.5E-02	1.0E-02	2.8E-02	2.0E-02	2.2E-02	1.1E-02
IRON	4.9E-03	2.9E-02	2.3E-02	1.4E-02	2.1E-02	6.9E-02	2.7E-02	1.1E-01	5.4E-03	2.7E-02	1.8E-02	1.2E-02	7.9E-03
LEAD													
MANGANESE	4.6E-04	9.5E-03	4.2E-03	6.6E-04	1.0E-03	2.1E-03	1.9E-03	2.8E-03	5.2E-04	1.8E-03	9.1E-04	6.3E-04	1.8E-03
MERCURY	4.2E-05	4.2E-05	4.0E-05	4.0E-05	4.2E-05	4.5E-05	4.0E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05
MOLYBDENUM	1.2E-05	6.6E-05	5.1E-05	3.1E-05	6.8E-05	1.7E-04	6.0E-05	1.7E-04	6.1E-06	7.2E-05	4.9E-05	1.3E-05	5.0E-06
NICKEL	5.7E-04	2.9E-03	2.6E-03	9.9E-04	1.9E-03	3.0E-03	1.7E-03	4.0E-03	9.0E-04	3.0E-03	2.0E-03	2.5E-03	1.3E-03
VANADIUM	1.9E-03	3.9E-03	4.3E-03	2.6E-03	4.9E-03	1.1E-02	6.2E-03	1.2E-02	1.7E-03	6.1E-03	3.9E-03	3.1E-03	1.7E-03
HEXAVALENT CHROMIUM	4.8E-04	1.1E-03	1.2E-03	8.1E-04	1.1E-03	2.9E-03	1.3E-03	2.8E-03	6.2E-04	1.4E-03	9.2E-04	9.1E-04	4.9E-04
TOTAL HAZARD INDEX	1.9E-02	7.6E-02	5.7E-02	3.5E-02	4.8E-02	1.3E-01	6.3E-02	1.7E-01	2.1E-02	7.8E-02	5.3E-02	4.7E-02	2.9E-02
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	2.8E-06	2.7E-06	2.5E-06	2.6E-06	3.2E-06	2.8E-06	2.6E-06	2.8E-06	2.9E-06	2.8E-06	2.7E-06	2.7E-06	2.6E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	1.4E-06	1.5E-06	1.8E-06	1.6E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.5E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.6E-08	8.3E-08	7.7E-08	8.0E-08	9.7E-08	8.4E-08	8.0E-08	8.4E-08	8.7E-08	8.6E-08	8.4E-08	8.3E-08	8.0E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	5.3E-07	5.0E-07	4.7E-07	2.3E-06	2.9E-06	2.4E-06	2.3E-06	2.3E-06	2.6E-06	5.3E-07	5.0E-07	5.0E-07	5.0E-07
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03
AROCLOR-1260													
ANTIMONY	1.9E-03	1.6E-02	8.3E-03	2.1E-03	3.4E-03	2.6E-02	2.7E-03	3.1E-02	8.2E-04	5.3E-03	3.2E-03	2.3E-03	1.4E-03
ARSENIC	9.7E-02	2.3E-01	1.5E-01	1.8E-01	1.3E-01	3.8E-01	1.5E-01	2.3E-01	3.0E-02	2.1E-01	1.2E-01	9.7E-02	6.9E-02
CADMIUM	1.3E-04	3.4E-04	3.6E-04	2.0E-04	2.3E-04	3.4E-04	2.6E-04	3.6E-04	2.7E-04	3.0E-04	3.2E-04	2.3E-04	1.9E-04
COBALT	1.1E-01	3.9E-01	3.2E-01	1.6E-01	2.6E-01	5.9E-01	3.8E-01	6.0E-01	2.4E-01	6.6E-01	4.8E-01	5.2E-01	2.6E-01
IRON	1.2E-01	6.9E-01	5.4E-01	3.2E-01	5.0E-01	1.6E+00	6.4E-01	2.5E+00	1.3E-01	6.3E-01	4.2E-01	2.9E-01	1.9E-01
LEAD													
MANGANESE	4.7E-03	9.8E-02	4.3E-02	6.7E-03	1.1E-02	2.2E-02	1.9E-02	2.8E-02	5.3E-03	1.9E-02	9.3E-03	6.5E-03	1.8E-02
MERCURY	5.4E-04	5.4E-04	5.1E-04	5.1E-04	5.4E-04	5.7E-04	5.1E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04
MOLYBDENUM	2.9E-04	1.6E-03	1.2E-03	7.4E-04	1.6E-03	3.9E-03	1.4E-03	3.9E-03	1.4E-04	1.7E-03	1.2E-03	3.2E-04	1.2E-04
NICKEL	5.9E-03	3.0E-02	2.7E-02	1.0E-02	1.9E-02	3.0E-02	1.8E-02	4.1E-02	9.3E-03	3.1E-02	2.0E-02	2.5E-02	1.3E-02
VANADIUM	4.5E-02	9.2E-02	1.0E-01	6.2E-02	1.2E-01	2.7E-01	1.5E-01	2.9E-01	3.9E-02	1.4E-01	9.2E-02	7.4E-02	4.1E-02
HEXAVALENT CHROMIUM	4.2E-03	1.0E-02	1.0E-02	7.2E-03	9.3E-03	2.5E-02	1.2E-02	2.5E-02	5.5E-03	1.2E-02	8.1E-03	8.0E-03	4.3E-03
TOTAL HAZARD INDEX	4.0E-01	1.6E+00	1.2E+00	7.6E-01	1.1E+00	3.0E+00	1.4E+00	3.8E+00	4.6E-01	1.7E+00	1.2E+00	1.0E+00	6.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE	1.0E-07	1.0E-07	1.2E-07	1.2E-07	1.2E-07	9.5E-08	1.0E-07	9.8E-08
1,2,4-TRICHLOROBENZENE	3.4E-07	3.4E-07	3.8E-07	3.8E-07	4.0E-07	3.1E-07	3.4E-07	3.3E-07
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE	8.6E-09	8.6E-09	9.9E-09	9.8E-09	1.0E-08	7.9E-09	8.6E-09	8.2E-09
BAP EQUIVALENT-HALFND								
NAPHTHALENE	4.7E-07	4.8E-07	5.5E-07	5.4E-07	5.8E-07	4.3E-07	4.6E-07	4.4E-07
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04
AROCLOR-1260								
ANTIMONY	8.3E-04	2.0E-04	9.8E-05	9.7E-04	2.8E-04	1.5E-04	3.3E-05	4.6E-04
ARSENIC	1.6E-02	5.2E-03	5.2E-03	9.6E-03	7.3E-03	3.0E-03	9.8E-04	1.7E-02
CADMIUM	2.1E-05	1.2E-05	5.8E-06	1.2E-05	9.3E-06	1.4E-05	1.6E-05	1.2E-05
COBALT	2.7E-02	2.0E-02	3.2E-03	2.2E-02	1.9E-02	7.2E-03	4.5E-03	6.7E-03
IRON	3.3E-02	1.9E-02	7.3E-03	3.1E-02	2.3E-02	8.8E-03	8.3E-04	1.3E-03
LEAD								
MANGANESE	4.5E-03	1.8E-03	1.0E-03	4.6E-03	3.7E-03	4.5E-04	2.6E-04	3.2E-04
MERCURY	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.0E-05	4.2E-05	4.0E-05
MOLYBDENUM	7.0E-05	3.5E-05	4.8E-06	6.4E-05	4.7E-05	1.8E-05	4.3E-06	8.6E-06
NICKEL	3.7E-03	2.5E-03	4.1E-04	3.2E-03	2.6E-03	9.0E-04	4.3E-04	6.0E-04
VANADIUM	5.1E-03	3.4E-03	1.6E-03	4.8E-03	4.0E-03	2.9E-03	4.7E-04	2.9E-04
HEXAVALENT CHROMIUM	1.4E-03	1.2E-03	6.4E-04	1.7E-03	1.3E-03	8.9E-04	1.9E-04	1.8E-04
TOTAL HAZARD INDEX	9.3E-02	5.3E-02	2.0E-02	7.9E-02	6.1E-02	2.5E-02	8.4E-03	2.7E-02
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE	2.6E-06	2.6E-06	3.1E-06	3.0E-06	3.1E-06	2.5E-06	2.6E-06	2.6E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	1.8E-06	1.8E-06	1.8E-06	1.4E-06	1.6E-06	1.5E-06
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE	8.2E-08	8.2E-08	9.4E-08	9.3E-08	9.6E-08	7.5E-08	8.2E-08	7.7E-08
BAP EQUIVALENT-HALFND								
NAPHTHALENE	2.2E-06	2.3E-06	2.6E-06	2.5E-06	2.7E-06	2.0E-06	2.2E-06	2.1E-06
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03
AROCLOR-1260								
ANTIMONY	1.4E-02	3.2E-03	1.6E-03	1.6E-02	4.6E-03	2.5E-03	5.5E-04	7.6E-03
ARSENIC	3.2E-01	1.1E-01	1.1E-01	1.9E-01	1.5E-01	6.0E-02	2.0E-02	3.4E-01
CADMIUM	4.5E-04	2.7E-04	1.3E-04	2.7E-04	2.0E-04	3.1E-04	3.4E-04	2.7E-04
COBALT	6.4E-01	4.6E-01	7.5E-02	5.2E-01	4.4E-01	1.7E-01	1.1E-01	1.6E-01
IRON	7.8E-01	4.4E-01	1.7E-01	7.4E-01	5.4E-01	2.1E-01	2.0E-02	3.0E-02
LEAD								
MANGANESE	4.6E-02	1.9E-02	1.0E-02	4.7E-02	3.8E-02	4.6E-03	2.6E-03	3.3E-03
MERCURY	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.1E-04	5.4E-04	5.1E-04
MOLYBDENUM	1.7E-03	8.4E-04	1.1E-04	1.5E-03	1.1E-03	4.2E-04	1.0E-04	2.1E-04
NICKEL	3.8E-02	2.6E-02	4.3E-03	3.3E-02	2.7E-02	9.3E-03	4.5E-03	6.2E-03
VANADIUM	1.2E-01	8.2E-02	3.8E-02	1.1E-01	9.6E-02	7.0E-02	1.1E-02	6.8E-03
HEXAVALENT CHROMIUM	1.2E-02	1.0E-02	5.6E-03	1.5E-02	1.2E-02	7.8E-03	1.7E-03	1.6E-03
TOTAL HAZARD INDEX	2.0E+00	1.2E+00	4.2E-01	1.7E+00	1.3E+00	5.4E-01	1.8E-01	5.6E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

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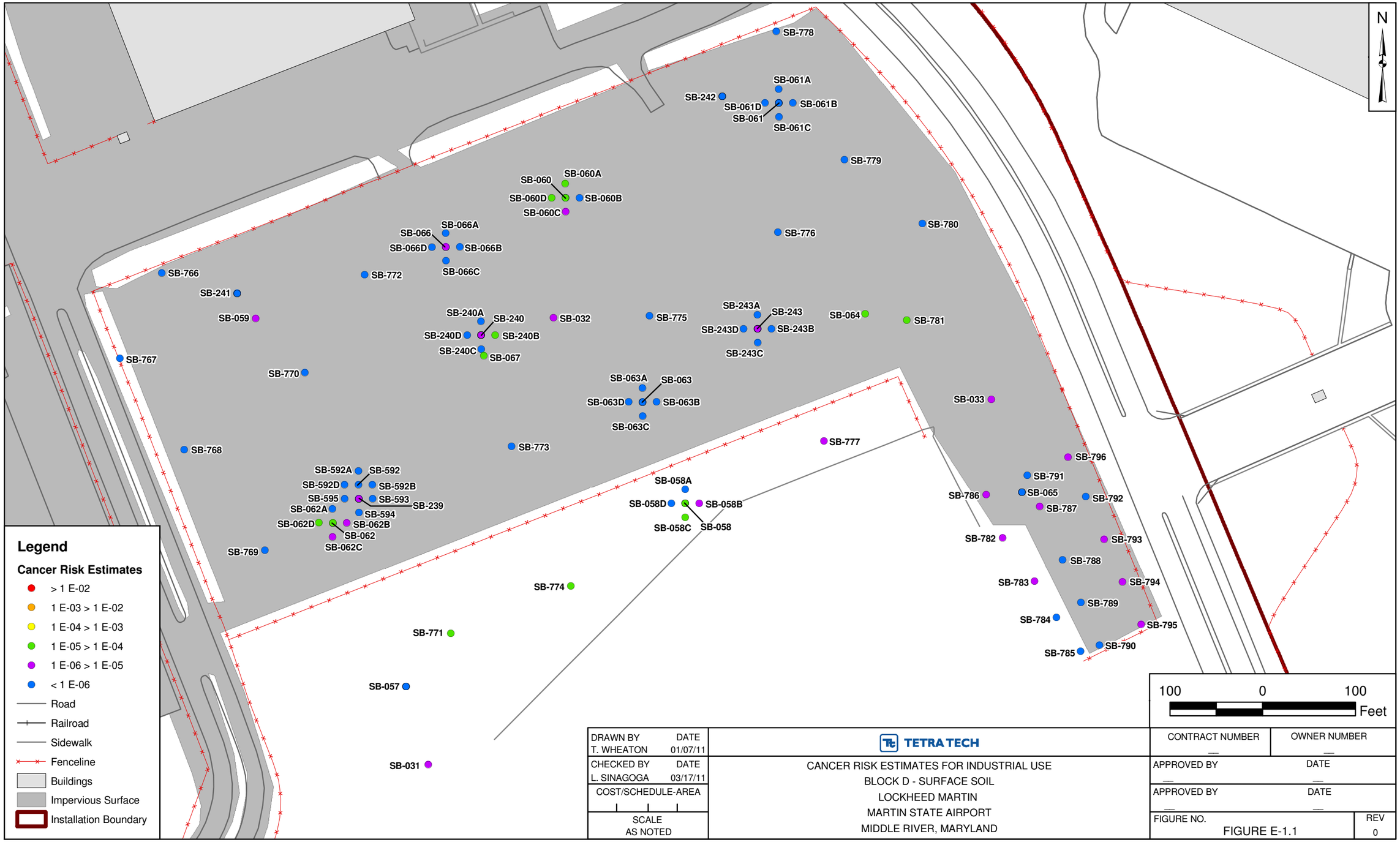

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.1 / REV 0

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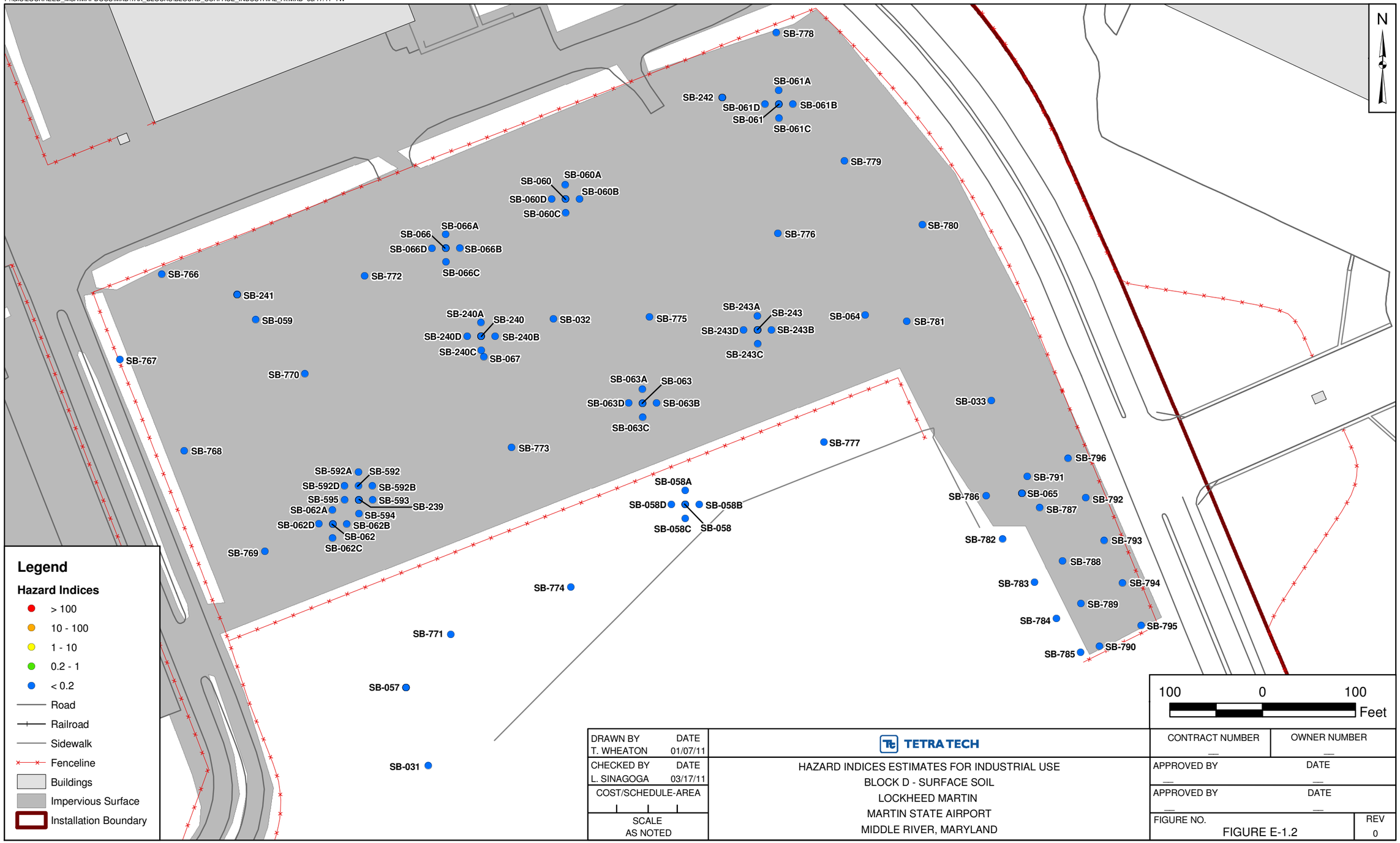

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.2 / REV 0

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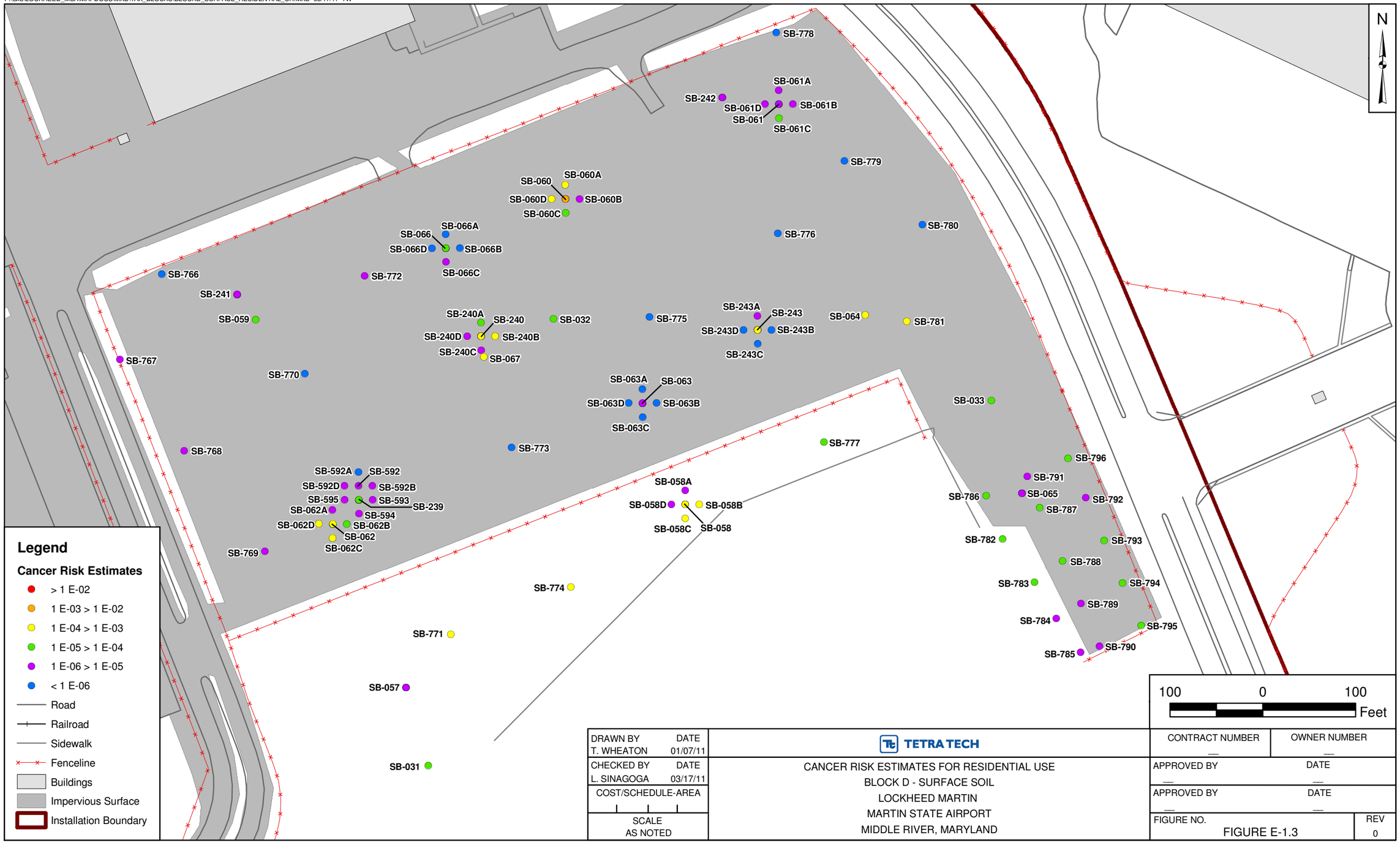

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK D - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-1.3	REV 0

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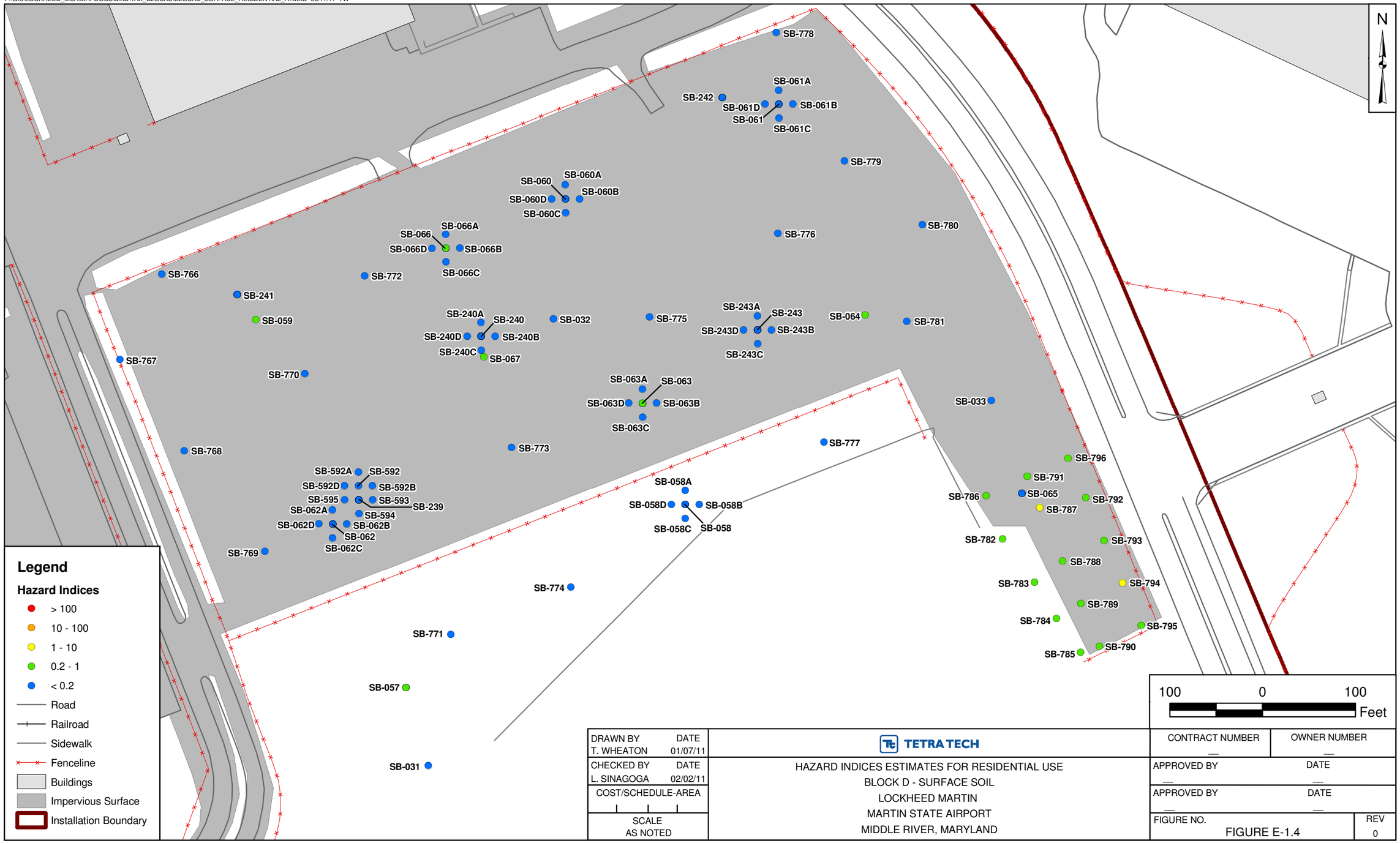

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 02/02/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.4 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKD_SUBSURFACE_INDUSTRIAL_CR.MXD 03/15/11 TW

N

SB-778
SB-061A
SB-061D
SB-061B
SB-061
SB-061C
SB-779
SB-060
SB-060A
SB-060D
SB-060B
SB-244
SB-245
SB-060C
SB-335
SB-331
SB-334
SB-330
SB-776
SB-780
SB-066
SB-066A
SB-066D
SB-066B
SB-332
SB-327
SB-328
SB-333
SB-329
SB-066C
SB-766
SB-772
SB-246
SB-320
SB-323
SB-321
SB-324
SB-322
SB-318
SB-325
SB-319
SB-326
SB-059
SB-240A
SB-240
SB-032
SB-775
SB-243A
SB-243
SB-064
SB-247
SB-781
SB-240D
SB-240B
SB-243D
SB-243B
SB-240C
SB-067
SB-243C
SB-767
SB-770
SB-248
SB-063A
SB-063
SB-342
SB-341
SB-033
SB-344
SB-063D
SB-063B
SB-249
SB-337
SB-343
SB-336
SB-339
SB-063C
SB-340
SB-338
SB-768
SB-773
D-TP-2
SB-777
SB-796
SB-592A
SB-592
SB-791
SB-592D
SB-592B
SB-058A
SB-595
SB-593
SB-786
SB-065
SB-792
SB-239
SB-062A
SB-058D
SB-058B
SB-594
SB-787
SB-062D
SB-062B
SB-058C
SB-058
SB-062
SB-782
SB-793
SB-062C
SB-769
D-TP-1
SB-788
SB-774
SB-783
SB-794
SB-789
SB-784
SB-795
SB-771
SB-785
SB-790
SB-057
SB-031

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/15/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK D - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-1.5	REV 0

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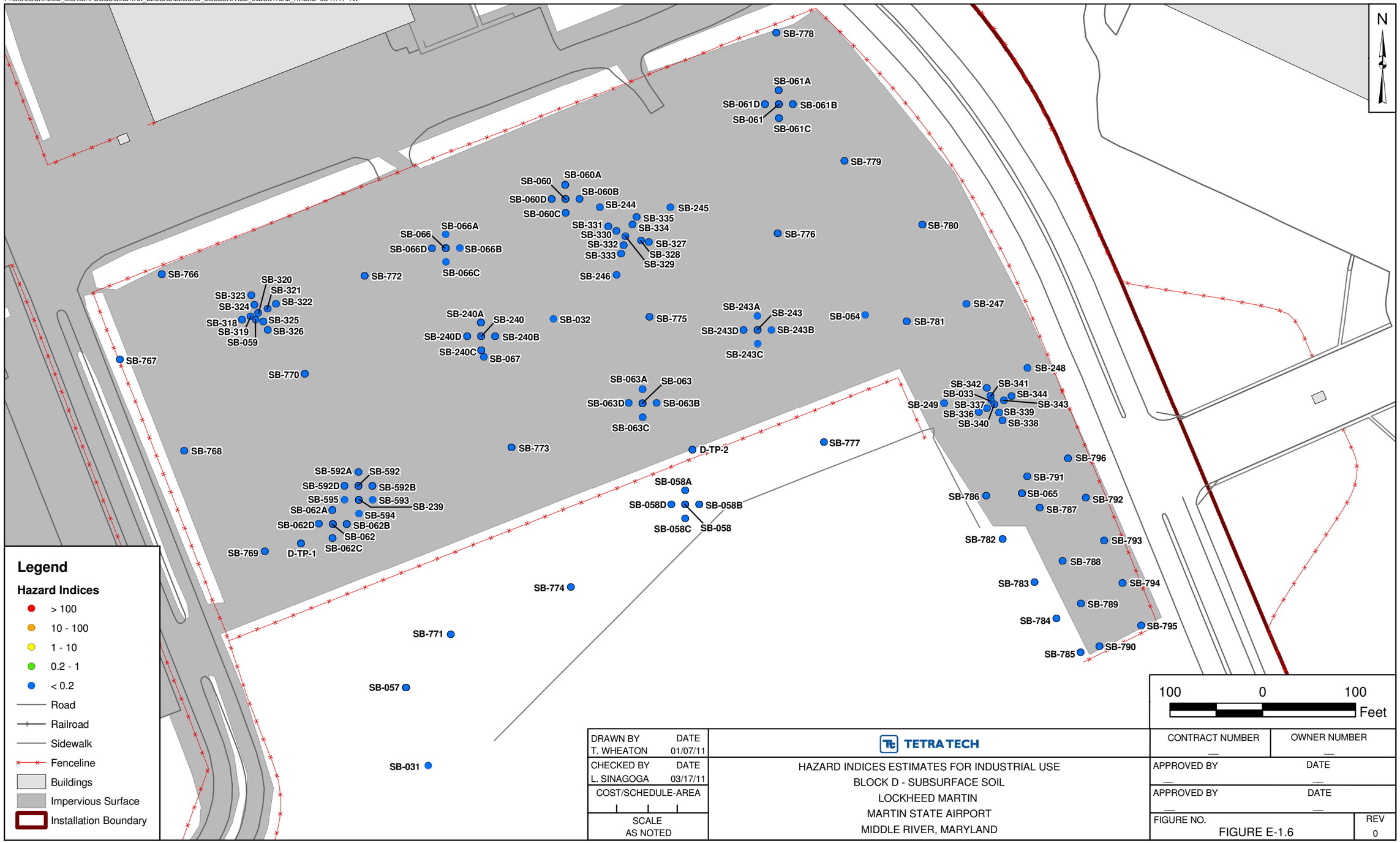

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.6 / REV 0

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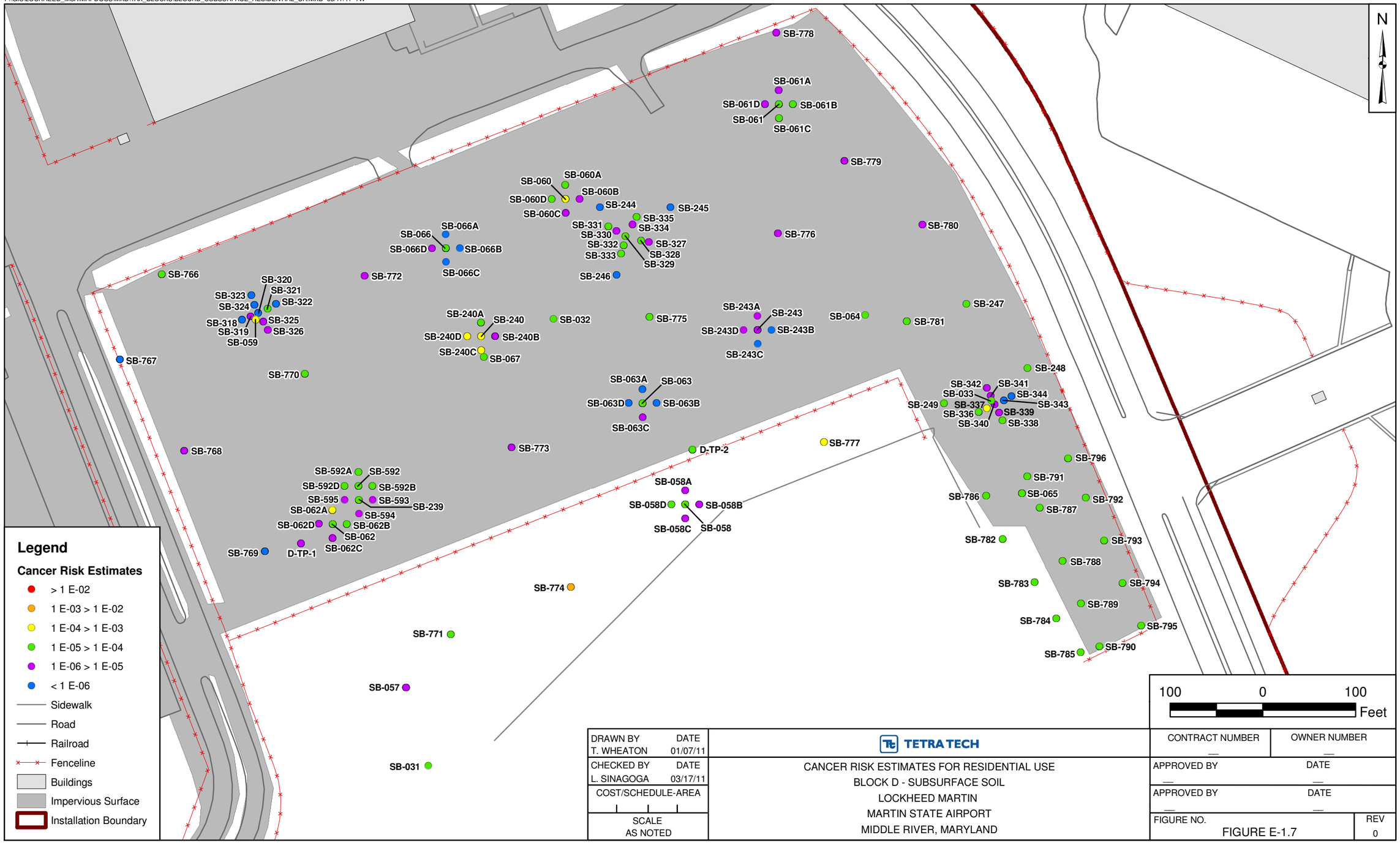

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.7 / REV 0

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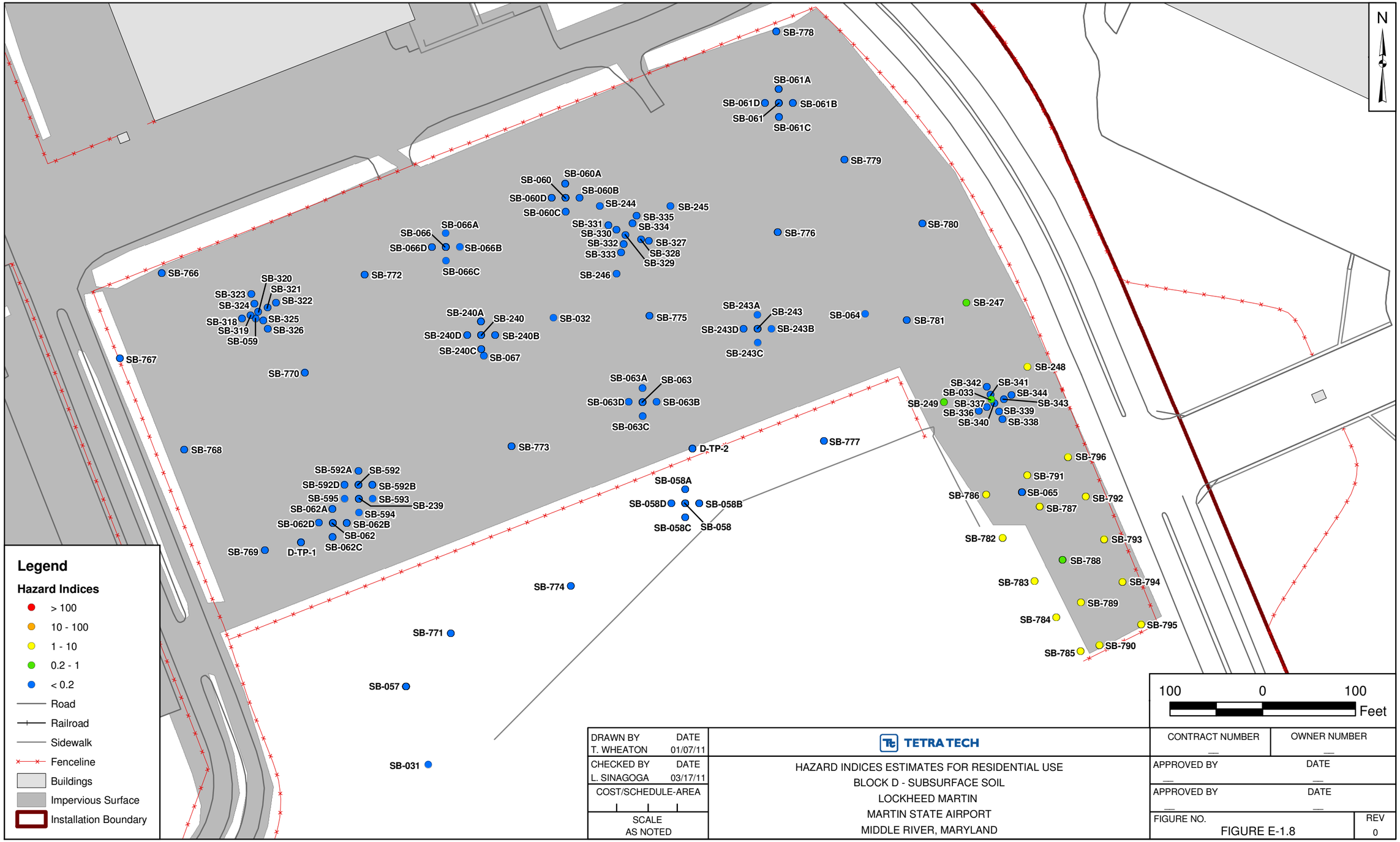

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.8 / REV 0

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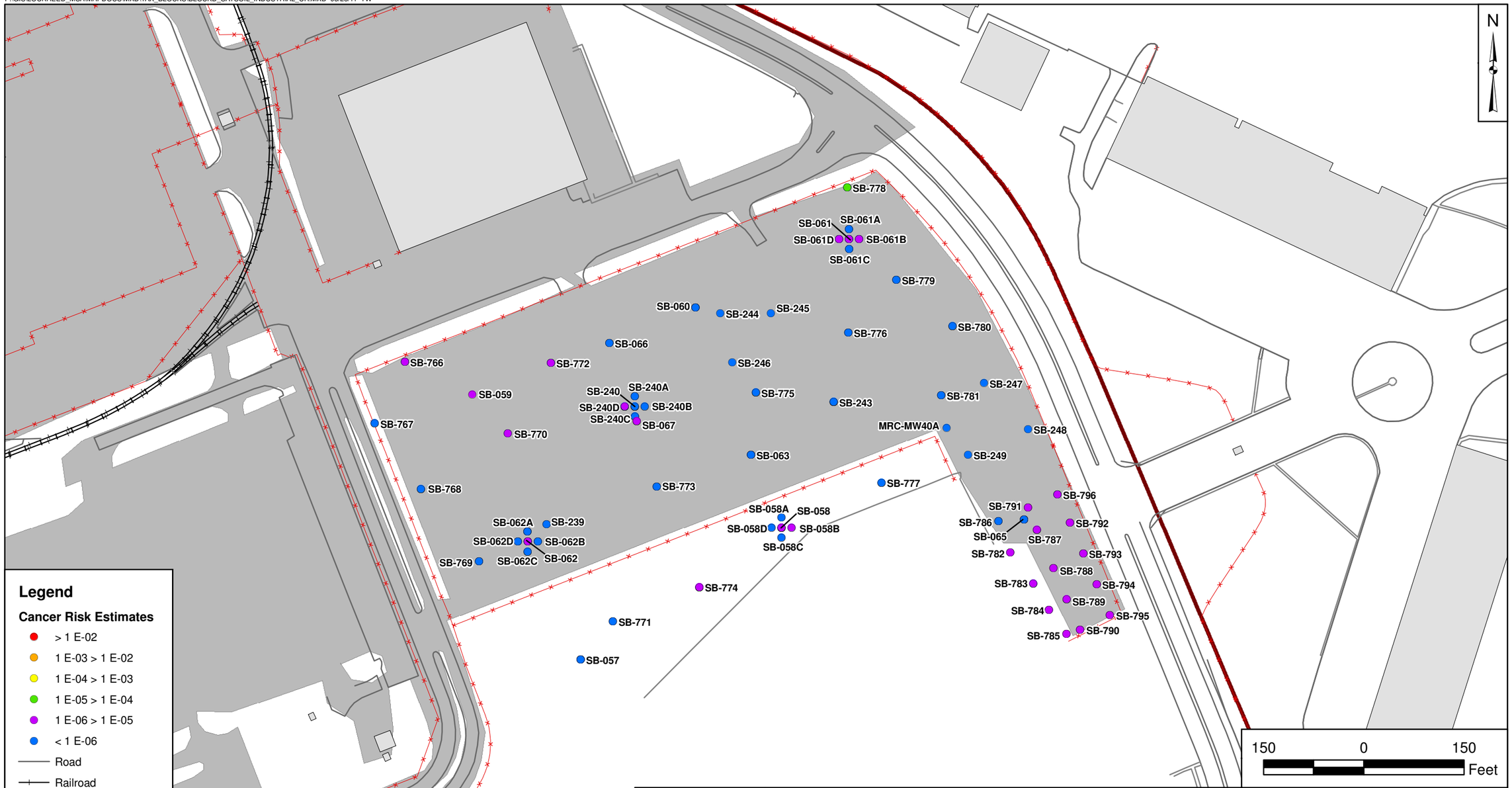

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.9 / REV 0

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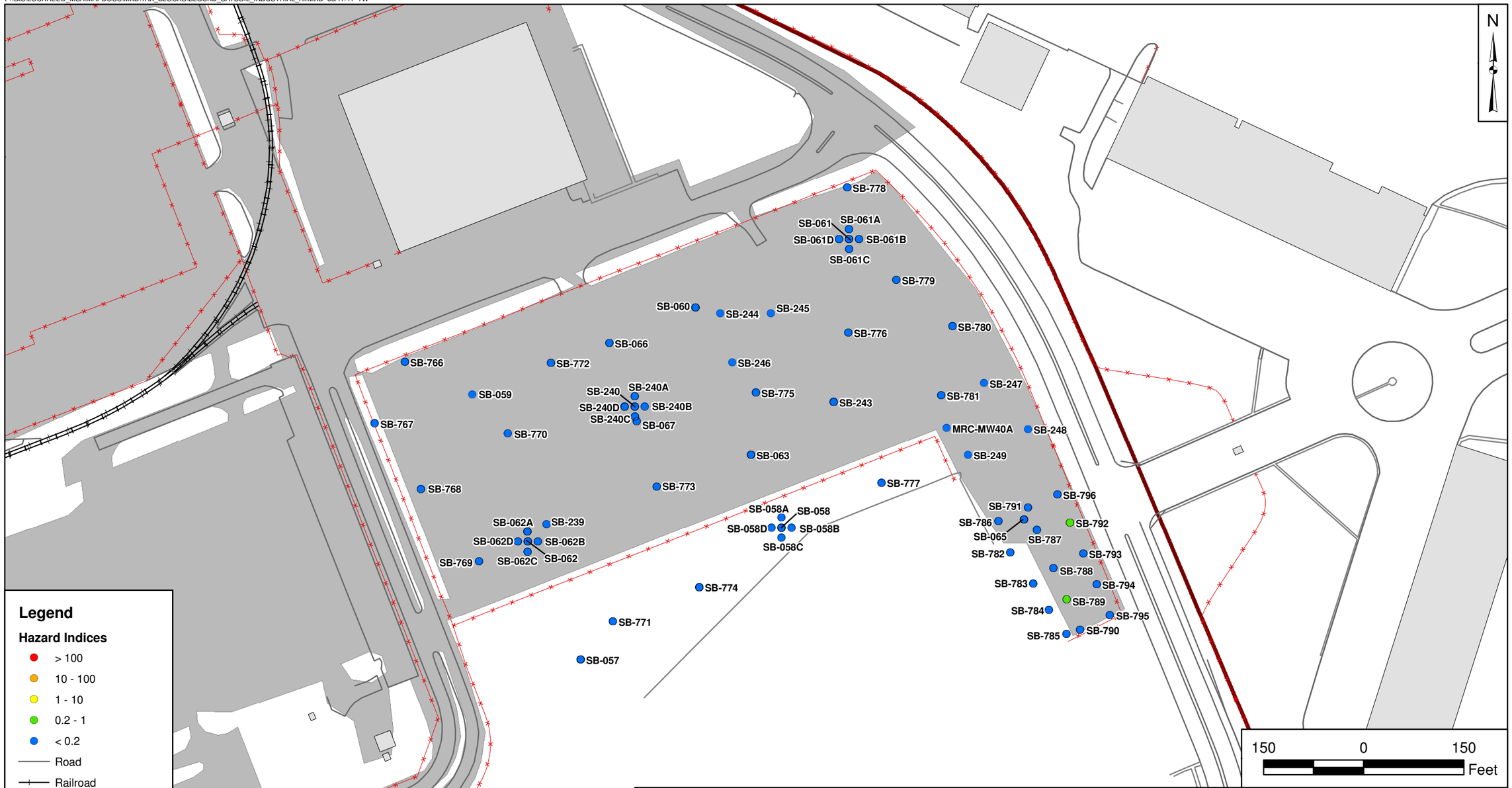

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.10 / REV 0

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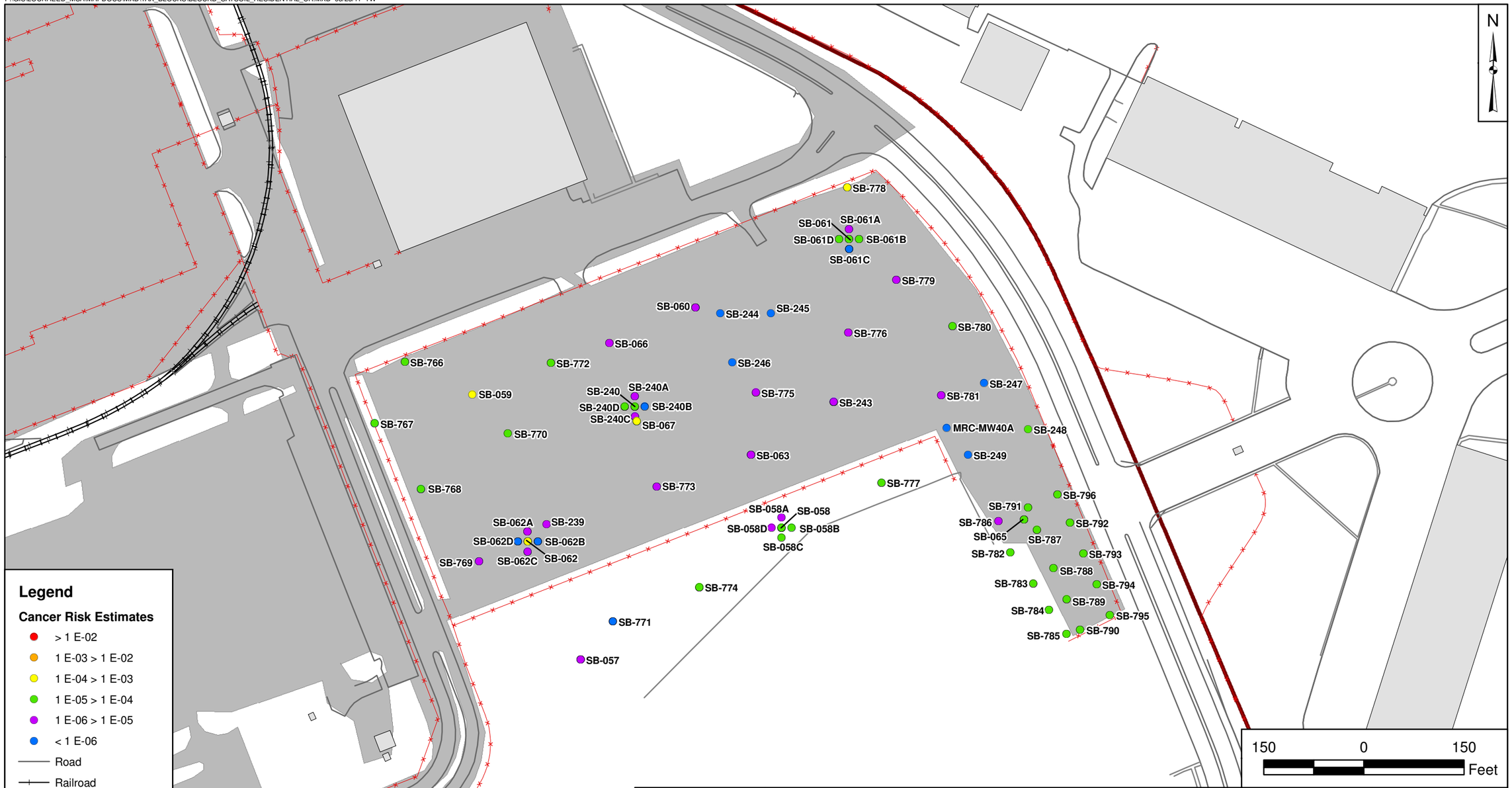

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.11 / REV 0

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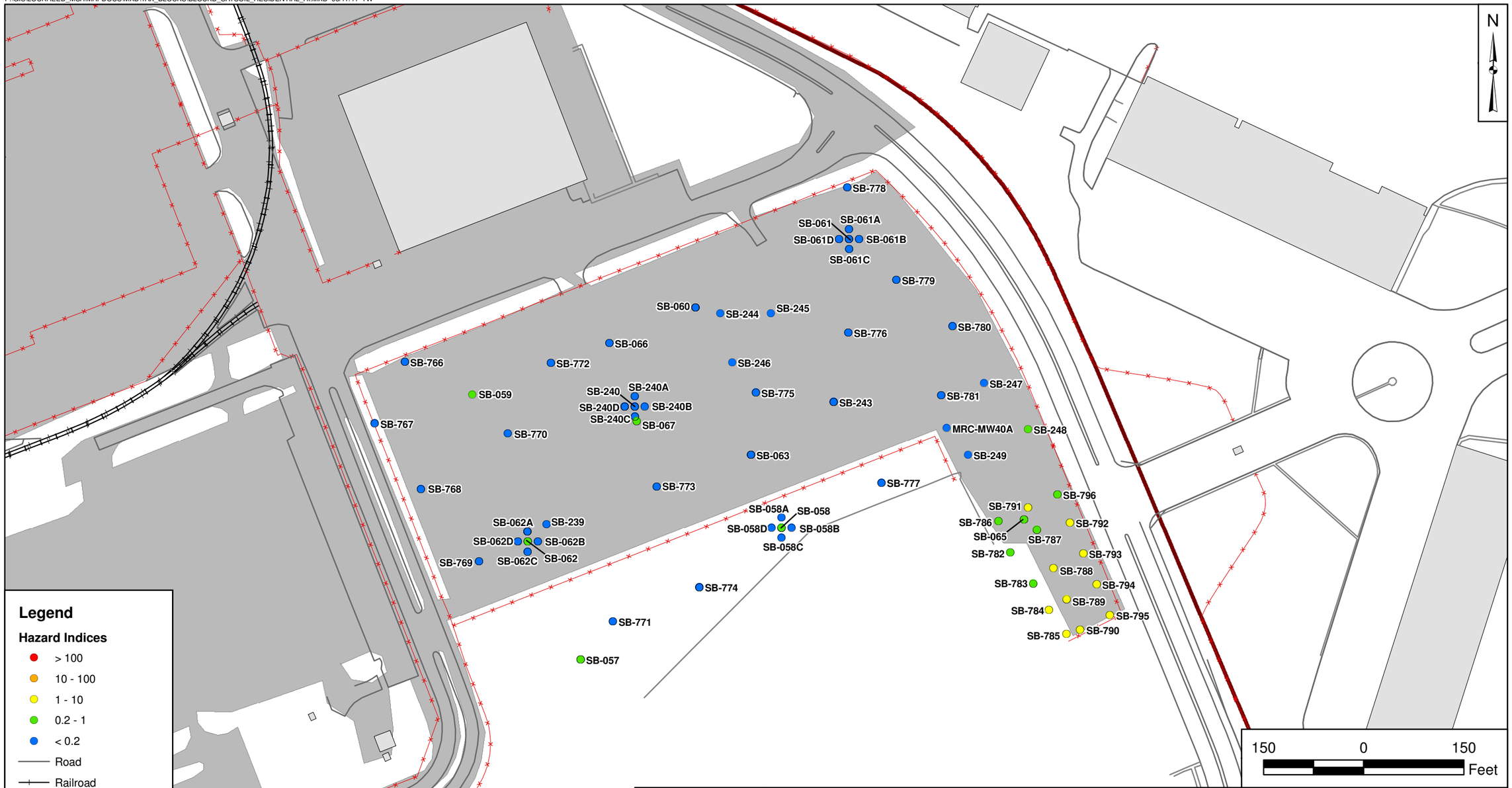

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

DRAWN BY / DATE	T. WHEATON / 01/07/11
CHECKED BY / DATE	L. SINAGOGA / 03/17/11
COST/SCHEDULE-AREA	
SCALE	AS NOTED

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK D - SATURATED SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER	OWNER NUMBER
—	--
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
FIGURE NO.	REV
FIGURE E-1.12	0

APPENDIX E.2

BLOCK E

TABLES

E-2.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block E

E-2.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block E

E-2.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block E

E-2.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block E

E-2.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block E

E-2.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block E

FIGURES

E-2.1 Cancer Risk Estimates for Industrial Use – Block E – Surface Soil

E-2.2 Hazard Indices Estimates for Industrial Use – Block E – Surface Soil

E-2.3 Cancer Risk Estimates for Residential Use – Block E – Surface Soil

E-2.4 Hazard Indices Estimates for Residential Use – Block E – Surface Soil

E-2.5 Cancer Risk Estimates for Industrial Use – Block E – Subsurface Soil

E-2.6 Hazard Indices Estimates for Industrial Use – Block E – Subsurface Soil

E-2.7 Cancer Risk Estimates for Residential Use – Block E – Subsurface Soil

E-2.8 Hazard Indices Estimates for Residential Use – Block E – Subsurface Soil

E-2.9 Cancer Risk Estimates for Industrial Use – Block E – Saturated Soil

E-2.10 Hazard Indices Estimates for Industrial Use – Block E – Saturated Soil

E-2.11 Cancer Risk Estimates for Residential Use – Block E – Saturated Soil

E-2.12 Hazard Indices Estimates for Residential Use – Block E – Saturated Soil

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A	SB-541A	SB-541A	SB-542	SB-542	SB-542
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-	SB-541-SS0-	SB-541A-	SB-541A-	SB-541A-	SB-542-2	SB-542-	SB-542-SS0-
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	0.5			0.5		2	0.5	
BOTTOM DEPTH			1	2	1	0.5		1	0.5	2	1	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.1E-11										
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10										
BAP EQUIVALENT-HALFND	6.6E-07	6.8E-07										
AROCLOR-1254	1.4E-07	1.4E-07	2.0E-07	1.0E-08	1.0E-08	1.0E-08	4.4E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.4E-07	1.4E-07	1.8E-06	1.0E-08	1.0E-08	1.0E-08	4.9E-07	1.9E-08	2.1E-08	9.5E-09	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC	4.0E-07	6.2E-07										
CADMIUM	6.4E-11	6.4E-11										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-11	3.7E-11										
VANADIUM												
HEXAVALENT CHROMIUM	8.0E-07	2.8E-07										
TOTAL CANCER RISK	2.1E-06	1.9E-06	2.0E-06	2.0E-08	2.0E-08	2.0E-08	5.3E-07	2.9E-08	3.1E-08	1.9E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.7E-10	1.7E-10										
1,4-DICHLOROBENZENE	4.1E-10	4.1E-10										
BAP EQUIVALENT-HALFND	1.4E-05	1.5E-05										
AROCLOR-1254	6.9E-07	7.2E-07	9.9E-07	5.0E-08	5.0E-08	5.0E-08	2.2E-07	5.2E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08
AROCLOR-1260	6.9E-07	7.2E-07	8.9E-06	5.0E-08	5.0E-08	5.0E-08	2.4E-06	9.4E-08	1.0E-07	4.7E-08	4.7E-08	5.0E-08
ANTIMONY												
ARSENIC	3.1E-06	4.8E-06										
CADMIUM	1.3E-10	1.3E-10										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	4.8E-11	7.4E-11										
VANADIUM												
HEXAVALENT CHROMIUM	1.2E-05	4.1E-06										
TOTAL CANCER RISK	3.1E-05	2.5E-05	9.9E-06	9.9E-08	9.9E-08	9.9E-08	2.6E-06	1.5E-07	1.6E-07	9.4E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A
SAMPLE ID	SB-543-2	SB-543-	SB-543-SS0-	SB-543A-2	SB-543A-	SB-543A-	SB-543A-	SB-544-2	SB-544-	SB-544-SS0-	SB-544A-	SB-544A-
SAMPLE DATE	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	0.5		2		0.5		2	0.5			0.5
BOTTOM DEPTH	2	1	0.5	2		1	0.5	2	1	0.5		1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.5E-09	8.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	9.5E-09	5.4E-09	1.0E-08	9.4E-07	7.7E-08	9.1E-08	1.0E-08	1.0E-08	9.5E-09	4.1E-08	2.3E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	1.9E-08	1.5E-08	2.0E-08	1.0E-06	8.6E-08	1.0E-07	2.0E-08	2.0E-08	1.9E-08	4.9E-08	3.3E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	5.0E-08	4.7E-08	4.7E-08	5.0E-08	4.5E-07	4.7E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.2E-08	5.0E-08
AROCLOR-1260	5.0E-08	4.7E-08	2.7E-08	5.0E-08	4.7E-06	3.8E-07	4.5E-07	5.0E-08	5.0E-08	4.7E-08	2.0E-07	1.1E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.4E-08	7.4E-08	9.9E-08	5.1E-06	4.3E-07	5.0E-07	9.9E-08	9.9E-08	9.4E-08	2.5E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-544A	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-544A-20081111	SB-545-20081023	SB-545-SS0-20081023	SB-546-2 20081023	SB-546-2-20081023	SB-546-2-D 20081023	SB-546-20081023	SB-546-20081023	SB-546-20081023	SB-546-SS0-20081023	SB-546-SS0-20081023	SB-546-SS0-20081023
SAMPLE DATE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	2	2	0.5	0.5	0.5			
TOP DEPTH	0.5	1	0.5	2	2	2	1	1	1	0.5	0.5	0.5
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	9.0E-09	9.2E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
AROCLOR-1260	1.9E-07	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	9.0E-09	9.2E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-07	2.1E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08	1.8E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	5.2E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	4.5E-08	4.6E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
AROCLOR-1260	9.4E-07	5.2E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	4.5E-08	4.6E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-07	1.0E-07	9.9E-08	9.9E-08	9.7E-08	9.4E-08	8.9E-08	9.2E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID	SB-546A-20081111	SB-546A-20081111	SB-546A-20081111	SB-547-2 20081021	SB-547-20081021	SB-547-SS0-20081021	SB-548-2 20081023	SB-548-2-20081023	SB-548-2-D 20081023	SB-548-20081023	SB-548-20081023	SB-548-20081023
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	0.5		2	2	2	0.5	0.5	0.5
TOP DEPTH		1	0.5	2	1	0.5	2	2	2	1	1	1
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.0E-09	1.0E-08	4.6E-07	9.5E-09	9.0E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
AROCLOR-1260	6.6E-08	1.4E-07	9.6E-06	9.5E-09	9.0E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.5E-08	1.5E-07	1.0E-05	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.5E-08	5.0E-08	2.3E-06	4.7E-08	4.5E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
AROCLOR-1260	3.3E-07	6.9E-07	4.8E-05	4.7E-08	4.5E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.7E-07	7.4E-07	5.0E-05	9.4E-08	8.9E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-548	SB-548	SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID	SB-548-SS0-20081023	SB-548-SS0-20081023	SB-548-SS0-20081023	SB-549-2 20081023	SB-549-2-20081023	SB-549-2-D 20081023	SB-549-20081023	SB-549-SS0-20081023	SB-550-2 20081023	SB-550-20081023	SB-550-SS0-20081023	SB-550A-2 20081111
SAMPLE DATE	ORIG	AVG	DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE				2	2	2	0.5		2	0.5		2
TOP DEPTH	0.5	0.5	0.5	2	2	2	1	0.5	2	1	0.5	2
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	9.5E-09	9.5E-09	1.0E-08	9.7E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.5E-09	9.5E-09	9.5E-09	1.0E-08	9.7E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	4.7E-08	4.7E-08	5.0E-08	4.8E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.7E-08	4.7E-08	4.7E-08	5.0E-08	4.8E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.4E-08	9.4E-08	9.9E-08	9.7E-08	9.4E-08	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553	SB-553	SB-554
SAMPLE ID	SB-550A-20081111	SB-550A-20081111	SB-550A-20081111	SB-551-2 20081023	SB-551-20081023	SB-551-SS0-20081023	SB-552-2 20081023	SB-552-20081023	SB-552-SS0-20081023	SB-553-2 20081021	SB-553-20081021	SB-554-2 20081021
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	0.5		2	0.5		2	0.5	2
TOP DEPTH		1	0.5	2	1	0.5	2	1	0.5	2	1	2
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	9.5E-09
AROCLOR-1260	6.1E-08	1.0E-08	1.2E-08	1.0E-08	1.0E-08	5.6E-09	1.0E-08	2.7E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.9E-08	2.0E-08	2.2E-08	2.1E-08	2.0E-08	1.5E-08	2.0E-08	3.6E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	4.7E-08
AROCLOR-1260	3.0E-07	5.0E-08	5.9E-08	5.2E-08	5.0E-08	2.8E-08	5.0E-08	1.3E-07	4.7E-08	5.0E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.4E-07	9.9E-08	1.1E-07	1.0E-07	9.9E-08	7.2E-08	9.9E-08	1.8E-07	9.4E-08	9.9E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558
SAMPLE ID	SB-554-20081021	SB-555-2 20081021	SB-555-20081021	SB-555-SS0-20081021	SB-556-2 20081021	SB-556-20081021	SB-556-SS0-20081021	SB-557-2 20081021	SB-557-20081021	SB-557-SS0-20081021	SB-558-2 20081021	SB-558-20081021
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	0.5	2	0.5		2	0.5		2	0.5		2	0.5
TOP DEPTH	1	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	4.7E-07	4.8E-06	3.6E-05		1.0E-08	9.0E-09	9.0E-09	9.0E-09	9.5E-09	5.1E-08	9.5E-09
AROCLOR-1260	9.5E-09	3.8E-06	3.8E-06	1.7E-05		1.0E-08	1.8E-07	9.0E-09	9.0E-09	1.1E-08	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	4.3E-06	8.6E-06	5.3E-05		2.0E-08	1.9E-07	1.8E-08	1.8E-08	2.0E-08	6.0E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	2.4E-06	2.4E-05	1.8E-04		5.0E-08	4.5E-08	4.5E-08	4.5E-08	4.7E-08	2.5E-07	4.7E-08
AROCLOR-1260	4.7E-08	1.9E-05	1.9E-05	8.4E-05		5.0E-08	8.9E-07	4.5E-08	4.5E-08	5.4E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	2.1E-05	4.3E-05	2.6E-04		9.9E-08	9.4E-07	8.9E-08	8.9E-08	1.0E-07	3.0E-07	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562
SAMPLE ID	SB-558-SS0-	SB-559-2	SB-559-	SB-559-SS0-	SB-560-2	SB-560-	SB-560-SS0-	SB-561-2	SB-561-	SB-561-SS0-	SB-562-2	SB-562-
SAMPLE DATE	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E-08	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.0E-09					
AROCLOR-1260	1.6E-06	9.0E-09	9.0E-09	5.2E-09	9.0E-09	9.0E-09	1.3E-08					
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	1.8E-08	1.8E-08	1.4E-08	1.8E-08	1.8E-08	2.2E-08					
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.9E-07	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08					
AROCLOR-1260	7.9E-06	4.5E-08	4.5E-08	2.6E-08	4.5E-08	4.5E-08	6.4E-08					
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.4E-06	8.9E-08	8.9E-08	7.0E-08	8.9E-08	8.9E-08	1.1E-07					

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-562	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566
SAMPLE ID	SB-562-SS0-	SB-563-2	SB-563-	SB-563-SS0-	SB-564-2	SB-564-	SB-564-SS0-	SB-565-2	SB-565-	SB-565-SS0-	SB-566-2	SB-566-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		9.5E-09	9.0E-09	9.5E-09	8.5E-09	9.0E-09	9.0E-09	4.8E-08	1.0E-08	9.5E-09	9.5E-09	9.0E-09
AROCLOR-1260		9.5E-09	9.0E-09	4.0E-08	8.5E-09	9.0E-09	1.1E-08	1.0E-06	3.4E-07	2.1E-07	9.5E-09	1.1E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.9E-08	1.8E-08	4.9E-08	1.7E-08	1.8E-08	2.0E-08	1.0E-06	3.5E-07	2.2E-07	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		4.7E-08	4.5E-08	4.7E-08	4.2E-08	4.5E-08	4.5E-08	2.4E-07	5.0E-08	4.7E-08	4.7E-08	4.5E-08
AROCLOR-1260		4.7E-08	4.5E-08	2.0E-07	4.2E-08	4.5E-08	5.4E-08	5.0E-06	1.7E-06	1.0E-06	4.7E-08	5.4E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		9.4E-08	8.9E-08	2.5E-07	8.4E-08	8.9E-08	9.9E-08	5.2E-06	1.7E-06	1.1E-06	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID	SB-566-SS0-	SB-567-2	SB-567-	SB-567-SS0-	SB-568-2	SB-568-	SB-568-SS0-	SB-569-2	SB-569-	SB-569-SS0-	SB-570-2	SB-570-
SAMPLE DATE	20081022	20081023	20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.6E-08	9.5E-09	9.5E-09	9.0E-09	9.0E-09	4.5E-07	4.5E-06	1.0E-08	3.4E-07	9.5E-06	9.0E-09	9.0E-08
AROCLOR-1260	1.2E-06	4.3E-09	5.4E-09	2.5E-08	9.0E-09	1.1E-05	8.1E-05	1.0E-08	7.9E-06	3.0E-04	9.0E-09	3.2E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.2E-06	1.4E-08	1.5E-08	3.4E-08	1.8E-08	1.1E-05	8.5E-05	2.0E-08	8.2E-06	3.1E-04	1.8E-08	3.3E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.3E-07	4.7E-08	4.7E-08	4.5E-08	4.5E-08	2.3E-06	2.2E-05	5.0E-08	1.7E-06	4.7E-05	4.5E-08	4.5E-07
AROCLOR-1260	5.9E-06	2.1E-08	2.7E-08	1.2E-07	4.5E-08	5.4E-05	4.0E-04	5.0E-08	3.9E-05	1.5E-03	4.5E-08	1.6E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.2E-06	6.8E-08	7.4E-08	1.7E-07	8.9E-08	5.7E-05	4.2E-04	9.9E-08	4.1E-05	1.5E-03	8.9E-08	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-571	SB-571	SB-571	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036	SB-041	SB-042
SAMPLE ID	SB-570-SS0-	SB-571-2	SB-571-	SB-571-SS0-	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-	SB-4A-SS	SB-35-SS	SB-36-SS	SB-41S-SS	SB-42S-SS
SAMPLE DATE	20081022	20081023	20081023	20081023	20040921	20040920	20040920	20050512	20040921	20040917	20040917	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5			1		1					
BOTTOM DEPTH	0.5	2	1	0.5		1		1					
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					2.1E-11	2.1E-11	1.8E-11		9.9E-10	2.1E-11	2.1E-11		
1,4-DICHLOROBENZENE					1.9E-10	1.9E-10	1.6E-10		1.9E-10	1.9E-10	1.9E-10		
BAP EQUIVALENT-HALFND					6.6E-07	6.8E-07	6.2E-06		1.3E-06	6.6E-07	6.8E-07		
AROCLOR-1254	1.8E-07	9.5E-09	9.0E-09	9.0E-09	1.4E-07	1.4E-07	1.3E-07	1.9E-08	2.9E-05	1.4E-07	1.4E-07		
AROCLOR-1260	6.8E-06	9.5E-09	9.0E-09	9.0E-09	1.4E-07	1.4E-07	3.5E-07	1.9E-08	1.8E-04	1.4E-07	1.4E-07		
ANTIMONY													
ARSENIC					4.0E-07	3.6E-07	5.5E-07		5.5E-07	3.4E-07	4.4E-07		
CADMIUM					6.4E-11	6.6E-11	5.5E-11		6.1E-11	5.7E-11	6.6E-11		
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					4.3E-11	4.9E-11	1.3E-10		9.2E-11	2.8E-11	6.6E-11		
VANADIUM													
HEXAVALENT CHROMIUM					5.2E-07	2.8E-07	4.1E-07		5.0E-07	1.8E-07	4.1E-07		
TOTAL CANCER RISK	7.0E-06	1.9E-08	1.8E-08	1.8E-08	1.9E-06	1.6E-06	7.7E-06	3.8E-08	2.1E-04	1.5E-06	1.8E-06		
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					1.7E-10	1.7E-10	1.4E-10		7.7E-09	1.7E-10	1.7E-10		
1,4-DICHLOROBENZENE					4.1E-10	4.1E-10	3.4E-10		4.1E-10	4.1E-10	4.1E-10		
BAP EQUIVALENT-HALFND					1.4E-05	1.5E-05	1.4E-04		2.7E-05	1.4E-05	1.5E-05		
AROCLOR-1254	9.2E-07	4.7E-08	4.5E-08	4.5E-08	6.9E-07	7.2E-07	6.7E-07	9.4E-08	1.4E-04	6.9E-07	7.2E-07		
AROCLOR-1260	3.4E-05	4.7E-08	4.5E-08	4.5E-08	6.9E-07	7.2E-07	1.7E-06	9.4E-08	8.9E-04	6.9E-07	7.2E-07		
ANTIMONY													
ARSENIC					3.1E-06	2.8E-06	4.3E-06		4.3E-06	2.6E-06	3.4E-06		
CADMIUM					1.3E-10	1.3E-10	1.1E-10		1.2E-10	1.1E-10	1.3E-10		
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					8.6E-11	9.9E-11	2.6E-10		1.9E-10	5.7E-11	1.3E-10		
VANADIUM													
HEXAVALENT CHROMIUM					7.8E-06	4.1E-06	6.2E-06		7.4E-06	2.7E-06	6.2E-06		
TOTAL CANCER RISK	3.5E-05	9.4E-08	8.9E-08	8.9E-08	2.7E-05	2.3E-05	1.5E-04	1.9E-07	1.1E-03	2.1E-05	2.6E-05		

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234	SB-235	SB-235	SB-345	SB-346	SB-347
SAMPLE ID	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001
SAMPLE DATE	20041105	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		1		1		1		1				
BOTTOM DEPTH		1		1		1		1		1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.8E-08	1.7E-08	1.9E-07	1.0E-06
AROCLOR-1260		9.4E-08	1.4E-07	1.9E-08	8.0E-08	8.5E-09	1.1E-06	1.8E-08	1.1E-07	2.6E-07	1.7E-06	7.1E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.1E-07	1.6E-07	3.9E-08	9.8E-08	2.8E-08	1.1E-06	3.7E-08	1.3E-07	2.8E-07	1.9E-06	8.1E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		9.7E-08	9.2E-08	9.7E-08	9.2E-08	9.7E-08	9.2E-08	9.2E-08	9.2E-08	8.7E-08	9.7E-07	5.2E-06
AROCLOR-1260		4.7E-07	6.9E-07	9.7E-08	4.0E-07	4.2E-08	5.3E-06	9.2E-08	5.3E-07	1.3E-06	8.4E-06	3.5E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		5.6E-07	7.9E-07	1.9E-07	4.9E-07	1.4E-07	5.4E-06	1.8E-07	6.3E-07	1.4E-06	9.4E-06	4.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-348	SB-349	SB-350	SB-351	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359
SAMPLE ID	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.1E-06	2.2E-06	4.1E-06	2.0E-06	1.4E-06	3.7E-04	4.1E-05	1.0E-05	2.2E-06	1.0E-06	1.9E-06	3.7E-07
AROCLOR-1260	3.4E-05	2.4E-05	5.5E-05	2.1E-05	1.9E-05	1.8E-03	4.0E-04	9.6E-05	2.5E-05	1.2E-05	2.7E-05	3.7E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-05	2.6E-05	5.9E-05	2.3E-05	2.0E-05	2.2E-03	4.4E-04	1.1E-04	2.7E-05	1.3E-05	2.9E-05	4.1E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-05	1.1E-05	2.0E-05	1.0E-05	6.9E-06	1.8E-03	2.1E-04	5.2E-05	1.1E-05	5.2E-06	9.7E-06	1.9E-06
AROCLOR-1260	1.7E-04	1.2E-04	2.7E-04	1.0E-04	9.4E-05	8.9E-03	2.0E-03	4.8E-04	1.2E-04	5.9E-05	1.3E-04	1.8E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-04	1.3E-04	2.9E-04	1.1E-04	1.0E-04	1.1E-02	2.2E-03	5.3E-04	1.3E-04	6.5E-05	1.4E-04	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-360	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503	SB-503	SB-504
SAMPLE ID	SB-360-0001	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-	SB-503-0001-	SB-504-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						2.7E-12	2.1E-11	1.1E-11	3.5E-12	1.3E-11	2.3E-11	1.9E-11
1,4-DICHLOROBENZENE						1.8E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	2.1E-10	1.8E-10
BAP EQUIVALENT-HALFND						1.9E-06	1.6E-05	1.9E-05	3.8E-05	2.1E-05	3.1E-06	1.1E-06
AROCLOR-1254	1.9E-06	1.9E-05	4.0E-07	2.2E-06	1.0E-06	1.8E-08	3.8E-06	1.9E-07	1.9E-07	1.1E-07	2.1E-08	9.0E-08
AROCLOR-1260	2.7E-05	1.4E-04	5.0E-06	2.4E-05	1.2E-05	4.7E-08	5.8E-05	1.2E-06	1.7E-06	9.1E-07	1.2E-07	1.2E-06
ANTIMONY												
ARSENIC						4.8E-07	1.2E-06	6.6E-07	9.5E-07	9.0E-07	8.4E-07	1.9E-07
CADMIUM						9.1E-12	9.1E-12	8.6E-12	6.8E-11	5.3E-11	3.7E-11	1.9E-11
COBALT						6.1E-10	1.1E-09	5.0E-10	1.1E-09	9.2E-10	7.0E-10	1.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						3.2E-11	4.4E-11	3.8E-11	7.2E-11	5.8E-11	4.3E-11	4.5E-11
VANADIUM												
HEXAVALENT CHROMIUM						2.7E-07	3.8E-07	2.3E-07	9.2E-07	7.1E-07	5.0E-07	3.5E-07
TOTAL CANCER RISK	2.9E-05	1.6E-04	5.4E-06	2.6E-05	1.3E-05	2.7E-06	7.9E-05	2.2E-05	4.2E-05	2.3E-05	4.6E-06	2.9E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						2.1E-11	1.6E-10	8.5E-11	2.8E-11	1.0E-10	1.8E-10	1.5E-10
1,4-DICHLOROBENZENE						3.9E-10	4.0E-10	4.0E-10	4.0E-10	4.2E-10	4.4E-10	3.7E-10
BAP EQUIVALENT-HALFND						4.1E-05	3.4E-04	4.2E-04	8.3E-04	4.5E-04	6.7E-05	2.3E-05
AROCLOR-1254	9.7E-06	9.4E-05	2.0E-06	1.1E-05	5.2E-06	9.2E-08	1.9E-05	9.7E-07	9.7E-07	5.4E-07	1.1E-07	4.5E-07
AROCLOR-1260	1.3E-04	6.9E-04	2.5E-05	1.2E-04	5.9E-05	2.3E-07	2.9E-04	5.9E-06	8.4E-06	4.5E-06	5.9E-07	5.9E-06
ANTIMONY												
ARSENIC						3.7E-06	9.7E-06	5.1E-06	7.4E-06	7.0E-06	6.6E-06	1.5E-06
CADMIUM						1.8E-11	1.8E-11	1.7E-11	1.4E-10	1.1E-10	7.5E-11	3.8E-11
COBALT						1.2E-09	2.2E-09	1.0E-09	2.3E-09	1.9E-09	1.4E-09	2.1E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						6.4E-11	8.9E-11	7.7E-11	1.5E-10	1.2E-10	8.7E-11	9.1E-11
VANADIUM												
HEXAVALENT CHROMIUM						4.1E-06	5.7E-06	3.5E-06	1.4E-05	1.1E-05	7.4E-06	5.2E-06
TOTAL CANCER RISK	1.4E-04	7.9E-04	2.7E-05	1.3E-04	6.5E-05	4.9E-05	6.6E-04	4.3E-04	8.6E-04	4.7E-04	8.2E-05	3.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509	SB-510	SB-511	SB-512	SB-513	SB-514
SAMPLE ID	SB-505-0001	SB-506-0001	SB-506-0001-	SB-506-0001-	SB-507-0001	SB-508-0001	SB-509-0001	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001
SAMPLE DATE	20071127	20071128	20071128	20071128	20071128	20071128	20071129	20071128	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.0E-11	2.0E-11	2.1E-11	2.1E-11	2.1E-11	2.1E-11	2.0E-11	2.0E-11	2.0E-11	2.1E-11	2.1E-11
1,4-DICHLOROBENZENE	1.9E-10	1.8E-10	1.8E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.8E-10	1.8E-10	1.8E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	2.9E-06	6.6E-07	6.6E-07	6.6E-07	7.9E-07	6.6E-07	6.6E-07	7.5E-07	3.4E-07	7.3E-07	1.5E-06	6.6E-07
AROCLOR-1254	1.0E-05	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.9E-08
AROCLOR-1260	9.9E-05	1.2E-08	1.1E-08	1.1E-08	1.9E-08	1.5E-08	1.9E-08	3.1E-08	4.9E-08	3.0E-08	8.4E-08	1.9E-08
ANTIMONY												
ARSENIC	1.3E-06	6.6E-07	6.4E-07	6.2E-07	7.7E-07	9.1E-07	5.5E-07	3.5E-06	1.9E-07	5.5E-07	6.2E-07	5.5E-07
CADMIUM	2.9E-10	3.2E-13	5.7E-13	8.2E-13	5.0E-12	2.0E-12	2.7E-13	1.6E-12	1.3E-12	4.2E-12	5.0E-12	3.5E-11
COBALT	9.1E-10	4.8E-10	5.1E-10	5.5E-10	2.5E-09	6.2E-09	8.9E-10	8.9E-10	9.5E-10	8.4E-10	8.9E-10	4.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.2E-10	2.7E-11	3.1E-11	3.5E-11	1.0E-10	6.0E-11	2.1E-11	7.3E-11	1.1E-10	5.7E-11	4.3E-11	1.0E-10
VANADIUM												
HEXAVALENT CHROMIUM	2.3E-06	2.0E-07	2.4E-07	2.8E-07	3.1E-07	3.1E-07	1.7E-07	2.8E-07	4.3E-07	3.1E-07	3.5E-07	4.4E-07
TOTAL CANCER RISK	1.1E-04	1.5E-06	1.6E-06	1.6E-06	1.9E-06	1.9E-06	1.4E-06	4.6E-06	1.0E-06	1.6E-06	2.6E-06	1.7E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.7E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.5E-10	1.6E-10	1.5E-10	1.6E-10	1.6E-10
1,4-DICHLOROBENZENE	4.1E-10	3.9E-10	3.9E-10	4.0E-10	4.0E-10	4.0E-10	4.0E-10	3.8E-10	3.9E-10	3.8E-10	4.0E-10	4.0E-10
BAP EQUIVALENT-HALFND	6.2E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05	1.4E-05	1.4E-05	1.6E-05	7.3E-06	1.6E-05	3.2E-05	1.4E-05
AROCLOR-1254	5.0E-05	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.2E-08	9.4E-08	9.2E-08	9.7E-08	9.4E-08
AROCLOR-1260	4.9E-04	5.9E-08	5.7E-08	5.4E-08	9.4E-08	7.4E-08	9.4E-08	1.5E-07	2.4E-07	1.5E-07	4.2E-07	9.4E-08
ANTIMONY												
ARSENIC	1.0E-05	5.1E-06	5.0E-06	4.8E-06	6.0E-06	7.1E-06	4.3E-06	2.7E-05	1.5E-06	4.3E-06	4.8E-06	4.3E-06
CADMIUM	5.9E-10	6.4E-13	1.1E-12	1.6E-12	1.0E-11	4.0E-12	5.5E-13	3.3E-12	2.7E-12	8.5E-12	1.0E-11	7.1E-11
COBALT	1.8E-09	9.6E-10	1.0E-09	1.1E-09	4.9E-09	1.2E-08	1.8E-09	1.8E-09	1.9E-09	1.7E-09	1.8E-09	8.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-10	5.4E-11	6.3E-11	7.1E-11	2.1E-10	1.2E-10	4.2E-11	1.5E-10	2.2E-10	1.2E-10	8.6E-11	2.0E-10
VANADIUM												
HEXAVALENT CHROMIUM	3.4E-05	2.9E-06	3.6E-06	4.2E-06	4.6E-06	4.6E-06	2.6E-06	4.2E-06	6.4E-06	4.7E-06	5.2E-06	6.5E-06
TOTAL CANCER RISK	6.5E-04	2.2E-05	2.3E-05	2.3E-05	2.8E-05	2.6E-05	2.1E-05	4.8E-05	1.6E-05	2.5E-05	4.3E-05	2.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-515	SB-516	SB-517	SB-518	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526
SAMPLE ID	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001
SAMPLE DATE	20071129	20071130	20071130	20071130	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.1E-11	2.0E-11	2.1E-11	2.1E-11	2.2E-11						
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.8E-10	1.9E-10	1.9E-10	2.0E-10						
BAP EQUIVALENT-HALFND	3.3E-06	1.4E-06	7.1E-07	6.9E-07	1.5E-06	8.6E-07						
AROCLOR-1254	1.9E-08	1.9E-08	1.8E-08	2.0E-08	1.9E-08	2.0E-08	2.1E-07	2.0E-07	1.9E-07	3.9E-06	4.3E-06	1.1E-05
AROCLOR-1260	2.9E-07	1.9E-08	1.8E-08	2.0E-08	1.9E-08	2.0E-08	3.1E-06	3.4E-06	2.1E-06	5.2E-05	5.4E-05	8.2E-05
ANTIMONY												
ARSENIC	3.6E-07	3.4E-07	4.0E-07	8.1E-07	5.9E-07	3.0E-07						
CADMIUM	2.0E-11	7.3E-12	3.2E-12	1.0E-12	8.6E-13	1.3E-12						
COBALT	9.3E-10	6.4E-10	1.3E-09	8.9E-10	8.6E-10	1.0E-09						
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	7.7E-11	7.2E-11	8.6E-11	4.9E-11	5.3E-11	6.7E-11						
VANADIUM												
HEXAVALENT CHROMIUM	3.1E-07	3.2E-07	2.6E-07	3.2E-07	2.9E-07	2.1E-07						
TOTAL CANCER RISK	4.3E-06	2.1E-06	1.4E-06	1.9E-06	2.4E-06	1.4E-06	3.3E-06	3.6E-06	2.3E-06	5.6E-05	5.8E-05	9.3E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-10	1.7E-10	1.6E-10	1.7E-10	1.6E-10	1.7E-10						
1,4-DICHLOROBENZENE	4.0E-10	4.1E-10	3.9E-10	4.1E-10	4.0E-10	4.2E-10						
BAP EQUIVALENT-HALFND	7.1E-05	2.9E-05	1.5E-05	1.5E-05	3.2E-05	1.9E-05						
AROCLOR-1254	9.7E-08	9.7E-08	9.2E-08	9.9E-08	9.7E-08	1.0E-07	1.0E-06	1.0E-06	9.4E-07	2.0E-05	2.1E-05	5.4E-05
AROCLOR-1260	1.4E-06	9.7E-08	9.2E-08	9.9E-08	9.7E-08	1.0E-07	1.5E-05	1.7E-05	1.0E-05	2.6E-04	2.7E-04	4.1E-04
ANTIMONY												
ARSENIC	2.8E-06	2.7E-06	3.1E-06	6.3E-06	4.6E-06	2.3E-06						
CADMIUM	4.1E-11	1.5E-11	6.4E-12	2.0E-12	1.7E-12	2.7E-12						
COBALT	1.9E-09	1.3E-09	2.6E-09	1.8E-09	1.7E-09	2.1E-09						
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.6E-10	1.4E-10	1.7E-10	9.8E-11	1.1E-10	1.3E-10						
VANADIUM												
HEXAVALENT CHROMIUM	4.7E-06	4.9E-06	3.8E-06	4.7E-06	4.3E-06	3.1E-06						
TOTAL CANCER RISK	8.0E-05	3.7E-05	2.3E-05	2.6E-05	4.2E-05	2.4E-05	1.6E-05	1.8E-05	1.1E-05	2.8E-04	2.9E-04	4.6E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-527	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536	SB-537	SB-538
SAMPLE ID	SB-527-0001	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001	SB-537-0001	SB-538-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.6E-06	2.1E-06	1.0E-04	4.4E-05	1.9E-05	2.1E-07	4.4E-06	4.8E-06	9.5E-07	1.3E-05	1.2E-06	4.4E-07
AROCLOR-1260	6.2E-05	3.4E-05	1.5E-03	6.9E-04	1.9E-04	2.1E-06	5.3E-05	4.9E-05	6.0E-06	7.7E-05	1.0E-05	4.5E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.5E-05	3.6E-05	1.6E-03	7.3E-04	2.1E-04	2.3E-06	5.7E-05	5.4E-05	6.9E-06	9.0E-05	1.1E-05	4.9E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.8E-05	1.1E-05	5.0E-04	2.2E-04	9.4E-05	1.1E-06	2.2E-05	2.4E-05	4.7E-06	6.4E-05	6.2E-06	2.2E-06
AROCLOR-1260	3.1E-04	1.7E-04	7.4E-03	3.4E-03	9.4E-04	1.0E-05	2.6E-04	2.4E-04	3.0E-05	3.8E-04	5.0E-05	2.2E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.2E-04	1.8E-04	7.9E-03	3.6E-03	1.0E-03	1.1E-05	2.8E-04	2.7E-04	3.4E-05	4.5E-04	5.6E-05	2.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823	SB-824	SB-825	SB-827	SB-828	SB-829
SAMPLE ID	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS
SAMPLE DATE	20071204	20100915	20100915	20100915	20100916	20100915	20100915	20100915	20100913	20100916	20100916	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.1E-06	9.5E-09	9.0E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.8E-05	9.5E-09	9.0E-09	9.5E-09	2.1E-08	1.0E-08	3.8E-08	9.5E-09	1.0E-08	3.4E-08	3.5E-08	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-05	1.9E-08	1.8E-08	1.9E-08	3.1E-08	2.0E-08	4.8E-08	1.9E-08	2.0E-08	4.4E-08	4.5E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.1E-05	4.7E-08	4.5E-08	4.7E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	8.9E-05	4.7E-08	4.5E-08	4.7E-08	1.0E-07	5.0E-08	1.9E-07	4.7E-08	5.0E-08	1.7E-07	1.7E-07	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-04	9.4E-08	8.9E-08	9.4E-08	1.5E-07	9.9E-08	2.4E-07	9.4E-08	9.9E-08	2.2E-07	2.2E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-830	SB-831	SB-832	SB-833	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H
SAMPLE ID	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS	E-SB-833A-	E-SB-833B-	E-SB-833C-	E-SB-833D-	E-SB-833E-	E-SB-833F-	E-SB-833G-	E-SB-833H-
SAMPLE DATE	20100914	20100913	20100917	20100916	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH					2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2	2	2	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE					1.3E-12	9.9E-10	3.9E-12	1.8E-12	1.3E-06	8.5E-09	2.4E-12	3.9E-12
1,4-DICHLOROBENZENE					2.2E-11	7.7E-10	1.6E-11	1.7E-11	9.6E-08	2.7E-09	8.3E-11	1.9E-11
BAP EQUIVALENT-HALFND					2.4E-07	6.9E-09	6.8E-09	2.4E-08	6.9E-09	6.9E-09	6.8E-09	6.4E-09
AROCLOR-1254	9.5E-09	9.5E-09	4.5E-08	1.1E-08	9.0E-09	2.0E-07	1.0E-08	1.0E-08	1.0E-05	1.0E-06	1.0E-08	9.5E-09
AROCLOR-1260	9.5E-09	9.5E-09	6.9E-07	1.1E-08	2.2E-07	1.7E-06	8.2E-08	1.0E-08	3.6E-04	2.5E-05	5.7E-08	2.3E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	1.9E-08	7.3E-07	2.2E-08	4.7E-07	1.9E-06	9.8E-08	4.5E-08	3.7E-04	2.6E-05	7.4E-08	3.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE					9.9E-12	7.7E-09	3.0E-11	1.4E-11	9.9E-06	6.6E-08	1.9E-11	3.0E-11
1,4-DICHLOROBENZENE					4.7E-11	1.6E-09	3.4E-11	3.6E-11	2.0E-07	5.7E-09	1.8E-10	4.0E-11
BAP EQUIVALENT-HALFND					5.3E-06	1.5E-07	1.5E-07	5.3E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07
AROCLOR-1254	4.7E-08	4.7E-08	2.3E-07	5.4E-08	4.5E-08	1.0E-06	5.0E-08	5.2E-08	5.0E-05	5.2E-06	5.0E-08	4.7E-08
AROCLOR-1260	4.7E-08	4.7E-08	3.4E-06	5.4E-08	1.1E-06	8.4E-06	4.1E-07	5.2E-08	1.8E-03	1.2E-04	2.8E-07	1.1E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.4E-08	3.6E-06	1.1E-07	6.4E-06	9.6E-06	6.0E-07	6.3E-07	1.8E-03	1.3E-04	4.8E-07	3.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838	SB-839	SB-840
SAMPLE ID	E-SB-833J-20101013	E-SB-833K-20101013	E-SB-833L-20101013	E-SB-833M-20101013	E-SB-833N-20101014	E-SB-834-SS 20100916	E-SB-835-SS 20100917	E-SB-836-SS 20100917	E-SB-837-SS 20100917	E-SB-838-SS 20100913	E-SB-839-SS 20100914	E-SB-840-SS 20100914
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	2	2	2	2	2							
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1	1
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-09	1.5E-06	1.1E-08	3.3E-10	7.8E-13							
1,4-DICHLOROBENZENE	7.7E-10	1.7E-07	2.4E-09	1.9E-11	1.7E-11							
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-06	6.8E-09	6.8E-09	6.8E-08							
AROCLOR-1254	1.0E-07	1.9E-05	1.0E-08	1.0E-07	1.0E-08	9.5E-09	1.0E-07	1.0E-08	9.5E-09	9.5E-09	2.6E-06	9.0E-09
AROCLOR-1260	3.0E-06	6.8E-04	2.6E-08	1.3E-06	3.1E-08	9.5E-09	9.1E-07	1.3E-07	2.6E-08	9.5E-09	4.1E-05	1.2E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-06	7.0E-04	5.6E-08	1.4E-06	1.1E-07	1.9E-08	1.0E-06	1.4E-07	3.5E-08	1.9E-08	4.3E-05	1.3E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-08	1.2E-05	8.8E-08	2.6E-09	6.1E-12							
1,4-DICHLOROBENZENE	1.6E-09	3.7E-07	5.2E-09	4.0E-11	3.6E-11							
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-04	1.5E-07	1.5E-07	1.5E-06							
AROCLOR-1254	5.0E-07	9.7E-05	5.0E-08	5.0E-07	5.0E-08	4.7E-08	5.0E-07	5.0E-08	4.7E-08	4.7E-08	1.3E-05	4.5E-08
AROCLOR-1260	1.5E-05	3.4E-03	1.3E-07	6.4E-06	1.5E-07	4.7E-08	4.5E-06	6.4E-07	1.3E-07	4.7E-08	2.0E-04	5.9E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	3.6E-03	4.2E-07	7.1E-06	1.7E-06	9.4E-08	5.0E-06	6.9E-07	1.8E-07	9.4E-08	2.2E-04	6.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH							
BOTTOM DEPTH	1	1	1	1	1	1	1
INDUSTRIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
AROCLOR-1254	9.0E-07	9.5E-09	9.5E-09	9.5E-08	4.5E-06	9.5E-09	9.0E-09
AROCLOR-1260	2.5E-05	9.5E-09	9.5E-09	2.3E-06	3.7E-05	5.3E-08	6.4E-08
ANTIMONY							
ARSENIC							
CADMIUM							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	2.6E-05	1.9E-08	1.9E-08	2.4E-06	4.1E-05	6.2E-08	7.3E-08
RESIDENTIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
AROCLOR-1254	4.5E-06	4.7E-08	4.7E-08	4.7E-07	2.3E-05	4.7E-08	4.5E-08
AROCLOR-1260	1.2E-04	4.7E-08	4.7E-08	1.1E-05	1.8E-04	2.6E-07	3.2E-07
ANTIMONY							
ARSENIC							
CADMIUM							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	1.3E-04	9.4E-08	9.4E-08	1.2E-05	2.1E-04	3.1E-07	3.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A	SB-541A	SB-541A	SB-542	SB-542	SB-542
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-	SB-541-SS0-0.	SB-541A-SS[S.	SB-541A-SS0.5	SB-541A-SS0-0	SB-542-2	SB-542-SS0.5-	SB-542-SS0-0.
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	0.5			0.5		2	0.5	
BOTTOM DEPTH			1	2	1	0.5		1	0.5	2	1	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.6E-06	2.6E-06										
1,2,4-TRICHLOROBENZENE	8.6E-06	8.6E-06										
1,4-DICHLOROBENZENE	8.9E-08	8.9E-08										
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E-03	1.0E-02	1.4E-02	7.0E-04	7.0E-04	7.0E-04	3.1E-03	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY	3.2E-03	3.2E-03										
ARSENIC	2.5E-03	3.9E-03										
CADMIUM	1.7E-03	1.7E-03										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	2.6E-04	2.6E-04										
MOLYBDENUM												
NICKEL	3.8E-04	5.9E-04										
VANADIUM												
HEXAVALENT CHROMIUM	1.5E-03	5.1E-04										
TOTAL HAZARD INDEX	1.9E-02	2.0E-02	1.4E-02	7.0E-04	7.0E-04	7.0E-04	3.1E-03	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.2E-05	5.2E-05										
1,2,4-TRICHLOROBENZENE	3.9E-05	3.9E-05										
1,4-DICHLOROBENZENE	8.4E-07	8.4E-07										
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.2E-01	1.3E-01	1.8E-01	8.9E-03	8.9E-03	8.9E-03	4.0E-02	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY	5.3E-02	5.3E-02										
ARSENIC	5.1E-02	7.9E-02										
CADMIUM	3.8E-02	3.8E-02										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-03	3.3E-03										
MOLYBDENUM												
NICKEL	3.9E-03	6.1E-03										
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-02	4.5E-03										
TOTAL HAZARD INDEX	2.9E-01	3.1E-01	1.8E-01	8.9E-03	8.9E-03	8.9E-03	4.0E-02	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A
SAMPLE ID	SB-543-2	SB-543-SS0.5-	SB-543-SS0-0.5	SB-543A-2	SB-543A-SS[S..	SB-543A-SS0.5	SB-543A-SS0-0	SB-544-2	SB-544-SS0.5-	SB-544-SS0-0.5	SB-544A-SS[S..	SB-544A-SS0.5-
SAMPLE DATE	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	0.5		2		0.5		2	0.5			0.5
BOTTOM DEPTH	2	1	0.5	2		1	0.5	2	1	0.5		1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.3E-03	6.6E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	5.9E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.3E-03	6.6E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	5.9E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.0E-02	8.5E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	7.6E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.0E-02	8.5E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	7.6E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-544A	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	B-544A-SS0-0	SB-545-SS0.5-	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-	546-SS0.5-1-A	B-546-SS0.5-1	SB-546-SS0-0.5	546-SS0-0.5-A	B-546-SS0-0.5
SAMPLE DATE	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	2	2	0.5	0.5	0.5			
BOTTOM DEPTH	0.5	1	0.5	2	2	2	1	1	1	0.5	0.5	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	7.3E-04	7.0E-04	7.0E-04	6.8E-04	6.6E-04	6.3E-04	6.4E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.3E-04	7.0E-04	7.0E-04	6.8E-04	6.6E-04	6.3E-04	6.4E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.7E-03	8.5E-03	8.0E-03	8.2E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.7E-03	8.5E-03	8.0E-03	8.2E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID	SB-546A-SS[S	SB-546A-SS0.5	SB-546A-SS0-0	SB-547-2	SB-547-SS0.5-	SB-547-SS0-0.5	SB-548-2	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-	548-SS0.5-1-A	B-548-SS0.5-1
SAMPLE DATE	20081111	20081111	20081111	20081021	20081021	20081021	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	0.5		2	2	2	0.5	0.5	0.5
BOTTOM DEPTH		1	0.5	2	1	0.5	2	2	2	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.3E-04	7.0E-04	3.2E-02	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	7.0E-04	3.2E-02	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.0E-03	8.9E-03	4.1E-01	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	8.9E-03	4.1E-01	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-548	SB-548	SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID	SB-548-SS0-0.5	548-SS0-0.5-A	B-548-SS0-0.5	SB-549-2	SB-549-2-AVG	SB-549-2-D	B-549-SS0.5-	B-549-SS0-0.5	SB-550-2	B-550-SS0.5-	B-550-SS0-0.5	SB-550A-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	ORIG	AVG	DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	2	2	0.5		2	0.5		2
BOTTOM DEPTH	0.5	0.5	0.5	2	2	2	1	0.5	2	1	0.5	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.8E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.8E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.7E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.7E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553	SB-553	SB-554
SAMPLE ID	SB-550A-SS[S	SB-550A-SS0.5	SB-550A-SS0-0	SB-551-2	SB-551-SS0.5-	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-	SB-552-SS0-0.5	SB-553-2	SB-553-SS0.5-	SB-554-2
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	0.5		2	0.5		2	0.5	2
BOTTOM DEPTH		1	0.5	2	1	0.5	2	1	0.5	2	1	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	5.9E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.9E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.6E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.6E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558
SAMPLE ID	SB-554-SS0.5-	SB-555-2	SB-555-SS0.5-	SB-555-SS0-0.	SB-556-2	SB-556-SS0.5-	SB-556-SS0-0.	SB-557-2	SB-557-SS0.5-	SB-557-SS0-0.	SB-558-2	SB-558-SS0.5-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	0.5	2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	1	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	3.3E-02	3.3E-01	2.5E+00		7.0E-04	6.3E-04	6.3E-04	6.3E-04	6.6E-04	3.6E-03	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	3.3E-02	3.3E-01	2.5E+00		7.0E-04	6.3E-04	6.3E-04	6.3E-04	6.6E-04	3.6E-03	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	4.2E-01	4.3E+00	3.2E+01		8.9E-03	8.0E-03	8.0E-03	8.0E-03	8.5E-03	4.5E-02	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	4.2E-01	4.3E+00	3.2E+01		8.9E-03	8.0E-03	8.0E-03	8.0E-03	8.5E-03	4.5E-02	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562
SAMPLE ID	SB-558-SS0-0.	SB-559-2	SB-559-SS0.5-	SB-559-SS0-0.	SB-560-2	SB-560-SS0.5-	SB-560-SS0-0.	SB-561-2	SB-561-SS0.5-	SB-561-SS0-0.	SB-562-2	SB-562-SS0.5-
SAMPLE DATE	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.8E-03	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04					
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.8E-03	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04					
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.7E-02	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03					
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.7E-02	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03					

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-562	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566
SAMPLE ID	SB-562-SS0-0.	SB-563-2	SB-563-SS0.5-	SB-563-SS0-0.	SB-564-2	SB-564-SS0.5-	SB-564-SS0-0.	SB-565-2	SB-565-SS0.5-	SB-565-SS0-0.	SB-566-2	SB-566-SS0.5-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		6.6E-04	6.3E-04	6.6E-04	5.9E-04	6.3E-04	6.3E-04	3.4E-03	7.0E-04	6.6E-04	6.6E-04	6.3E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX		6.6E-04	6.3E-04	6.6E-04	5.9E-04	6.3E-04	6.3E-04	3.4E-03	7.0E-04	6.6E-04	6.6E-04	6.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		8.5E-03	8.0E-03	8.5E-03	7.6E-03	8.0E-03	8.0E-03	4.3E-02	8.9E-03	8.5E-03	8.5E-03	8.0E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX		8.5E-03	8.0E-03	8.5E-03	7.6E-03	8.0E-03	8.0E-03	4.3E-02	8.9E-03	8.5E-03	8.5E-03	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID	SB-566-SS0-0.	SB-567-2	SB-567-SS0.5-	SB-567-SS0-0.	SB-568-2	SB-568-SS0.5-	SB-568-SS0-0.	SB-569-2	SB-569-SS0.5-	SB-569-SS0-0.	SB-570-2	SB-570-SS0.5-
SAMPLE DATE	20081022	20081023	20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.2E-03	6.6E-04	6.6E-04	6.3E-04	6.3E-04	3.2E-02	3.1E-01	7.0E-04	2.4E-02	6.6E-01	6.3E-04	6.3E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.2E-03	6.6E-04	6.6E-04	6.3E-04	6.3E-04	3.2E-02	3.1E-01	7.0E-04	2.4E-02	6.6E-01	6.3E-04	6.3E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.1E-02	8.5E-03	8.5E-03	8.0E-03	8.0E-03	4.0E-01	4.0E+00	8.9E-03	3.1E-01	8.5E+00	8.0E-03	8.0E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	4.1E-02	8.5E-03	8.5E-03	8.0E-03	8.0E-03	4.0E-01	4.0E+00	8.9E-03	3.1E-01	8.5E+00	8.0E-03	8.0E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-571	SB-571	SB-571	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036	SB-041
SAMPLE ID	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS	SB-41S-SS
SAMPLE DATE	20081022	20081023	20081023	20081023	20040921	20040920	20040920	20050512	20040921	20040917	20040917	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5			1		1				
BOTTOM DEPTH	0.5	2	1	0.5		1		1				
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE					2.6E-06	2.6E-06	2.1E-06		3.8E-05	2.6E-06	2.6E-06	
1,2,4-TRICHLOROBENZENE					8.6E-06	8.6E-06	7.1E-06		4.0E-04	8.6E-06	8.6E-06	
1,4-DICHLOROBENZENE					8.9E-08	8.9E-08	7.4E-08		8.9E-08	8.9E-08	8.9E-08	
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-02	6.6E-04	6.3E-04	6.3E-04	9.8E-03	1.0E-02	9.4E-03	1.3E-03	2.0E+00	9.8E-03	1.0E-02	
AROCLOR-1260												
ANTIMONY					3.2E-03	3.3E-03	2.8E-03		3.1E-03	2.9E-03	3.3E-03	
ARSENIC					2.5E-03	2.2E-03	3.4E-03		3.4E-03	2.1E-03	2.7E-03	
CADMIUM					1.7E-03	1.8E-03	1.5E-03		1.7E-03	1.6E-03	1.8E-03	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY					2.6E-04	2.6E-04	2.3E-04		5.7E-04	2.4E-04	2.8E-04	
MOLYBDENUM												
NICKEL					6.9E-04	7.9E-04	2.1E-03		1.5E-03	4.6E-04	1.1E-03	
VANADIUM												
HEXAVALENT CHROMIUM					9.7E-04	5.1E-04	7.7E-04		9.2E-04	3.4E-04	7.7E-04	
TOTAL HAZARD INDEX	1.3E-02	6.6E-04	6.3E-04	6.3E-04	1.9E-02	1.9E-02	2.0E-02	1.3E-03	2.0E+00	1.7E-02	2.0E-02	
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE					5.2E-05	5.2E-05	4.3E-05		7.8E-04	5.2E-05	5.2E-05	
1,2,4-TRICHLOROBENZENE					3.9E-05	3.9E-05	3.3E-05		1.8E-03	3.9E-05	3.9E-05	
1,4-DICHLOROBENZENE					8.4E-07	8.4E-07	7.0E-07		8.4E-07	8.4E-07	8.4E-07	
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.6E-01	8.5E-03	8.0E-03	8.0E-03	1.2E-01	1.3E-01	1.2E-01	1.7E-02	2.6E+01	1.2E-01	1.3E-01	
AROCLOR-1260												
ANTIMONY					5.3E-02	5.5E-02	4.6E-02		5.1E-02	4.7E-02	5.5E-02	
ARSENIC					5.1E-02	4.5E-02	6.9E-02		6.9E-02	4.3E-02	5.5E-02	
CADMIUM					3.8E-02	3.9E-02	3.2E-02		3.6E-02	3.4E-02	3.9E-02	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY					3.3E-03	3.3E-03	2.9E-03		7.2E-03	3.0E-03	3.6E-03	
MOLYBDENUM												
NICKEL					7.1E-03	8.2E-03	2.2E-02		1.5E-02	4.7E-03	1.1E-02	
VANADIUM												
HEXAVALENT CHROMIUM					8.6E-03	4.5E-03	6.8E-03		8.1E-03	3.0E-03	6.8E-03	
TOTAL HAZARD INDEX	1.6E-01	8.5E-03	8.0E-03	8.0E-03	2.9E-01	2.8E-01	3.0E-01	1.7E-02	2.6E+01	2.6E-01	3.0E-01	

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234	SB-235	SB-235	SB-345	SB-346
SAMPLE ID	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001
SAMPLE DATE	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH			1		1		1		1			
BOTTOM DEPTH			1		1		1		1		1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.2E-03	1.4E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX			1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.2E-03	1.4E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX			1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-347	SB-348	SB-349	SB-350	SB-351	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358
SAMPLE ID	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.3E-02	1.5E-01	1.5E-01	2.9E-01	1.4E-01	9.8E-02	2.6E+01	2.9E+00	7.3E-01	1.6E-01	7.3E-02	1.4E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.3E-02	1.5E-01	1.5E-01	2.9E-01	1.4E-01	9.8E-02	2.6E+01	2.9E+00	7.3E-01	1.6E-01	7.3E-02	1.4E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.3E-01	1.9E+00	2.0E+00	3.6E+00	1.8E+00	1.2E+00	3.3E+02	3.7E+01	9.3E+00	2.0E+00	9.3E-01	1.7E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.3E-01	1.9E+00	2.0E+00	3.6E+00	1.8E+00	1.2E+00	3.3E+02	3.7E+01	9.3E+00	2.0E+00	9.3E-01	1.7E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-359	SB-360	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503	SB-503
SAMPLE ID	SB-359-0001	SB-360-0001	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	B-503-0001-AV	SB-503-0001-D
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE							2.4E-06	2.5E-06	2.8E-07	2.5E-06	2.6E-06	2.8E-06
1,2,4-TRICHLOROBENZENE							1.1E-06	8.3E-06	4.4E-06	1.4E-06	5.3E-06	9.3E-06
1,4-DICHLOROBENZENE							8.4E-08	8.6E-08	8.7E-08	8.6E-08	9.1E-08	9.6E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.6E-02	1.4E-01	1.3E+00	2.8E-02	1.5E-01	7.3E-02	1.3E-03	2.6E-01	1.4E-02	1.4E-02	7.5E-03	1.5E-03
AROCLOR-1260												
ANTIMONY							1.8E-04	1.3E-03	1.4E-04	5.1E-03	3.1E-03	1.1E-03
ARSENIC							3.0E-03	7.8E-03	4.1E-03	5.9E-03	5.6E-03	5.2E-03
CADMIUM							2.5E-04	2.5E-04	2.4E-04	1.9E-03	1.4E-03	1.0E-03
COBALT							5.0E-03	8.9E-03	4.1E-03	9.3E-03	7.5E-03	5.8E-03
IRON							1.0E-02	1.1E-02	4.4E-03	1.1E-02	8.4E-03	6.3E-03
LEAD												
MANGANESE							4.3E-03	4.7E-03	7.3E-03	1.2E-01	7.0E-02	1.8E-02
MERCURY							4.5E-05	2.9E-04	4.7E-05	4.5E-05	6.1E-04	1.2E-03
MOLYBDENUM							1.9E-05	2.3E-05	1.2E-05	6.5E-05	4.2E-05	1.8E-05
NICKEL							5.1E-04	7.1E-04	6.1E-04	1.2E-03	9.3E-04	7.0E-04
VANADIUM							1.5E-03	2.3E-03	1.4E-03	5.9E-03	4.7E-03	3.5E-03
HEXAVALENT CHROMIUM							5.1E-04	7.1E-04	4.3E-04	1.7E-03	1.3E-03	9.2E-04
TOTAL HAZARD INDEX	2.6E-02	1.4E-01	1.3E+00	2.8E-02	1.5E-01	7.3E-02	2.7E-02	3.0E-01	3.6E-02	1.8E-01	1.1E-01	4.6E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE							4.9E-05	5.0E-05	5.6E-06	5.0E-05	5.3E-05	5.6E-05
1,2,4-TRICHLOROBENZENE							5.0E-06	3.8E-05	2.0E-05	6.5E-06	2.5E-05	4.3E-05
1,4-DICHLOROBENZENE							8.0E-07	8.2E-07	8.3E-07	8.2E-07	8.7E-07	9.1E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.3E-01	1.7E+00	1.7E+01	3.6E-01	2.0E+00	9.3E-01	1.6E-02	3.4E+00	1.7E-01	1.7E-01	9.6E-02	1.9E-02
AROCLOR-1260												
ANTIMONY							3.0E-03	2.1E-02	2.3E-03	8.3E-02	5.1E-02	1.9E-02
ARSENIC							6.0E-02	1.6E-01	8.3E-02	1.2E-01	1.1E-01	1.1E-01
CADMIUM							5.4E-03	5.4E-03	5.1E-03	4.1E-02	3.1E-02	2.2E-02
COBALT							1.2E-01	2.1E-01	9.6E-02	2.2E-01	1.8E-01	1.4E-01
IRON							2.5E-01	2.6E-01	1.1E-01	2.5E-01	2.0E-01	1.5E-01
LEAD												
MANGANESE							4.4E-02	4.8E-02	7.4E-02	1.2E+00	7.2E-01	1.9E-01
MERCURY							5.7E-04	3.6E-03	6.0E-04	5.7E-04	7.7E-03	1.5E-02
MOLYBDENUM							4.5E-04	5.5E-04	2.9E-04	1.6E-03	9.9E-04	4.3E-04
NICKEL							5.2E-03	7.3E-03	6.3E-03	1.2E-02	9.6E-03	7.2E-03
VANADIUM							3.5E-02	5.5E-02	3.3E-02	1.4E-01	1.1E-01	8.4E-02
HEXAVALENT CHROMIUM							4.5E-03	6.2E-03	3.8E-03	1.5E-02	1.2E-02	8.1E-03
TOTAL HAZARD INDEX	3.3E-01	1.7E+00	1.7E+01	3.6E-01	2.0E+00	9.3E-01	5.4E-01	4.2E+00	5.8E-01	2.3E+00	1.5E+00	7.5E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509	SB-510	SB-511	SB-512	SB-513
SAMPLE ID	SB-504-0001	SB-505-0001	SB-506-0001	B-506-0001-AV	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001
SAMPLE DATE	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129	20071128	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.3E-06	2.6E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06
1,2,4-TRICHLOROBENZENE	7.8E-06	8.6E-06	8.1E-06	8.2E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.0E-06	8.1E-06	8.0E-06	8.3E-06
1,4-DICHLOROBENZENE	8.2E-08	8.9E-08	8.4E-08	8.5E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.3E-08	8.4E-08	8.3E-08	8.6E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.3E-03	7.0E-01	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03
AROCLOR-1260												
ANTIMONY	1.0E-04	2.0E-03	8.4E-05	7.6E-05	6.8E-05	1.5E-04	1.6E-04	7.1E-05	6.7E-04	5.3E-04	1.9E-04	4.1E-04
ARSENIC	1.2E-03	8.0E-03	4.1E-03	4.0E-03	3.9E-03	4.8E-03	5.7E-03	3.4E-03	2.2E-02	1.2E-03	3.4E-03	3.9E-03
CADMIUM	5.1E-04	8.0E-03	8.7E-06	1.6E-05	2.2E-05	1.4E-04	5.5E-05	7.5E-06	4.5E-05	3.6E-05	1.2E-04	1.4E-04
COBALT	8.5E-03	7.4E-03	3.9E-03	4.2E-03	4.5E-03	2.0E-02	5.1E-02	7.2E-03	7.2E-03	7.8E-03	6.9E-03	7.2E-03
IRON	1.6E-02	7.2E-03	1.1E-02	9.3E-03	7.8E-03	1.6E-02	1.1E-02	8.2E-03	1.1E-02	1.9E-02	1.0E-02	1.1E-02
LEAD												
MANGANESE	2.1E-02	1.0E-03	1.5E-02	9.7E-03	4.1E-03	1.2E-02	3.7E-03	2.4E-03	7.4E-03	4.8E-03	5.9E-03	1.1E-02
MERCURY	1.9E-03	6.1E-04	4.5E-05	4.5E-05	4.5E-05	1.4E-03	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
MOLYBDENUM	4.3E-05	1.3E-04	1.7E-05	1.4E-05	1.1E-05	8.3E-06	3.2E-05	8.9E-06	3.5E-04	5.0E-06	1.7E-05	4.3E-06
NICKEL	7.3E-04	2.0E-03	4.3E-04	5.0E-04	5.7E-04	1.7E-03	9.6E-04	3.4E-04	1.2E-03	1.7E-03	9.2E-04	6.9E-04
VANADIUM	2.5E-03	6.7E-03	1.4E-03	1.5E-03	1.7E-03	1.9E-03	1.8E-03	1.3E-03	9.4E-04	2.3E-03	1.6E-03	1.2E-03
HEXAVALENT CHROMIUM	6.5E-04	4.3E-03	3.6E-04	4.4E-04	5.2E-04	5.7E-04	5.7E-04	3.2E-04	5.2E-04	7.9E-04	5.8E-04	6.5E-04
TOTAL HAZARD INDEX	6.0E-02	7.4E-01	3.8E-02	3.1E-02	2.5E-02	6.0E-02	7.6E-02	2.5E-02	5.2E-02	4.0E-02	3.1E-02	3.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.8E-05	5.2E-05	4.9E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	4.9E-05	4.9E-05	4.9E-05	5.0E-05
1,2,4-TRICHLOROBENZENE	3.6E-05	3.9E-05	3.7E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.7E-05	3.7E-05	3.7E-05	3.8E-05
1,4-DICHLOROBENZENE	7.7E-07	8.4E-07	8.0E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	7.9E-07	8.0E-07	7.9E-07	8.2E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.0E-02	8.9E+00	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02
AROCLOR-1260												
ANTIMONY	1.7E-03	3.4E-02	1.4E-03	1.3E-03	1.1E-03	2.5E-03	2.7E-03	1.2E-03	1.1E-02	8.7E-03	3.1E-03	6.8E-03
ARSENIC	2.4E-02	1.6E-01	8.3E-02	8.1E-02	7.9E-02	9.7E-02	1.2E-01	6.9E-02	4.4E-01	2.4E-02	6.9E-02	7.9E-02
CADMIUM	1.1E-02	1.7E-01	1.9E-04	3.4E-04	4.9E-04	3.0E-03	1.2E-03	1.6E-04	9.7E-04	7.8E-04	2.5E-03	3.0E-03
COBALT	2.0E-01	1.8E-01	9.2E-02	9.9E-02	1.1E-01	4.7E-01	1.2E+00	1.7E-01	1.7E-01	1.8E-01	1.6E-01	1.7E-01
IRON	3.9E-01	1.7E-01	2.6E-01	2.2E-01	1.9E-01	3.8E-01	2.6E-01	2.0E-01	2.5E-01	4.6E-01	2.5E-01	2.6E-01
LEAD												
MANGANESE	2.1E-01	1.0E-02	1.6E-01	1.0E-01	4.2E-02	1.2E-01	3.8E-02	2.5E-02	7.6E-02	4.9E-02	6.1E-02	1.1E-01
MERCURY	2.4E-02	7.8E-03	5.7E-04	5.7E-04	5.7E-04	1.7E-02	5.7E-04	5.7E-04	5.7E-04	5.7E-04	5.7E-04	5.7E-04
MOLYBDENUM	1.0E-03	3.2E-03	3.9E-04	3.2E-04	2.5E-04	2.0E-04	7.6E-04	2.1E-04	8.4E-03	1.2E-04	4.1E-04	1.0E-04
NICKEL	7.5E-03	2.0E-02	4.5E-03	5.2E-03	5.9E-03	1.7E-02	9.9E-03	3.5E-03	1.2E-02	1.8E-02	9.5E-03	7.1E-03
VANADIUM	6.0E-02	1.6E-01	3.4E-02	3.7E-02	3.9E-02	4.5E-02	4.2E-02	3.0E-02	2.2E-02	5.4E-02	3.8E-02	2.8E-02
HEXAVALENT CHROMIUM	5.7E-03	3.8E-02	3.2E-03	3.9E-03	4.6E-03	5.1E-03	5.0E-03	2.8E-03	4.6E-03	7.0E-03	5.2E-03	5.7E-03
TOTAL HAZARD INDEX	1.0E+00	9.9E+00	6.5E-01	5.7E-01	4.8E-01	1.2E+00	1.7E+00	5.2E-01	1.0E+00	8.2E-01	6.2E-01	6.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-514	SB-515	SB-516	SB-517	SB-518	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525
SAMPLE ID	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001
SAMPLE DATE	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.5E-06	2.5E-06	2.6E-06	2.4E-06	2.6E-06	2.5E-06	2.6E-06					
1,2,4-TRICHLOROBENZENE	8.3E-06	8.4E-06	8.6E-06	8.1E-06	8.6E-06	8.4E-06	8.8E-06					
1,4-DICHLOROBENZENE	8.6E-08	8.7E-08	8.9E-08	8.4E-08	8.9E-08	8.7E-08	9.2E-08					
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.5E-02	1.4E-02	1.3E-02	2.8E-01	3.0E-01
AROCLOR-1260												
ANTIMONY	2.3E-04	6.7E-04	5.3E-04	4.1E-04	4.1E-04	2.8E-04	5.1E-04					
ARSENIC	3.4E-03	2.3E-03	2.1E-03	2.5E-03	5.0E-03	3.7E-03	1.9E-03					
CADMIUM	9.7E-04	5.6E-04	2.0E-04	8.7E-05	2.7E-05	2.4E-05	3.6E-05					
COBALT	3.3E-02	7.6E-03	5.2E-03	1.1E-02	7.2E-03	7.1E-03	8.5E-03					
IRON	1.3E-02	9.4E-03	1.3E-02	1.4E-02	2.4E-02	1.2E-02	1.4E-02					
LEAD												
MANGANESE	1.2E-02	1.4E-02	6.2E-03	5.8E-03	7.6E-03	6.7E-03	3.7E-03					
MERCURY	4.5E-05	3.4E-04	8.9E-04	4.5E-05	4.7E-05	4.7E-05	4.9E-05					
MOLYBDENUM	4.5E-06	5.2E-06	1.3E-05	6.6E-06	1.0E-05	8.9E-06	7.1E-05					
NICKEL	1.6E-03	1.3E-03	1.2E-03	1.4E-03	7.8E-04	8.6E-04	1.1E-03					
VANADIUM	2.1E-03	1.7E-03	2.2E-03	1.8E-03	1.9E-03	2.2E-03	1.3E-03					
HEXAVALENT CHROMIUM	8.1E-04	5.8E-04	6.0E-04	4.8E-04	5.9E-04	5.4E-04	3.8E-04					
TOTAL HAZARD INDEX	6.8E-02	3.9E-02	3.4E-02	3.8E-02	4.9E-02	3.4E-02	3.3E-02	1.5E-02	1.4E-02	1.3E-02	2.8E-01	3.0E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.0E-05	5.1E-05	5.2E-05	4.9E-05	5.2E-05	5.1E-05	5.4E-05					
1,2,4-TRICHLOROBENZENE	3.8E-05	3.9E-05	3.9E-05	3.7E-05	3.9E-05	3.9E-05	4.1E-05					
1,4-DICHLOROBENZENE	8.2E-07	8.3E-07	8.4E-07	8.0E-07	8.4E-07	8.3E-07	8.7E-07					
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.7E-02	1.7E-02	1.7E-02	1.6E-02	1.8E-02	1.7E-02	1.8E-02	1.9E-01	1.8E-01	1.7E-01	3.5E+00	3.8E+00
AROCLOR-1260												
ANTIMONY	3.7E-03	1.1E-02	8.7E-03	6.8E-03	6.8E-03	4.6E-03	8.3E-03					
ARSENIC	6.9E-02	4.6E-02	4.3E-02	5.1E-02	1.0E-01	7.4E-02	3.8E-02					
CADMIUM	2.1E-02	1.2E-02	4.3E-03	1.9E-03	5.9E-04	5.1E-04	7.8E-04					
COBALT	7.7E-01	1.8E-01	1.2E-01	2.5E-01	1.7E-01	1.7E-01	2.0E-01					
IRON	3.0E-01	2.2E-01	3.1E-01	3.3E-01	5.6E-01	2.7E-01	3.3E-01					
LEAD												
MANGANESE	1.2E-01	1.4E-01	6.3E-02	6.0E-02	7.7E-02	6.8E-02	3.8E-02					
MERCURY	5.7E-04	4.3E-03	1.1E-02	5.7E-04	6.0E-04	6.0E-04	6.3E-04					
MOLYBDENUM	1.1E-04	1.2E-04	3.0E-04	1.6E-04	2.4E-04	2.1E-04	1.7E-03					
NICKEL	1.7E-02	1.3E-02	1.2E-02	1.4E-02	8.1E-03	8.8E-03	1.1E-02					
VANADIUM	4.9E-02	3.9E-02	5.3E-02	4.2E-02	4.6E-02	5.3E-02	3.2E-02					
HEXAVALENT CHROMIUM	7.1E-03	5.1E-03	5.3E-03	4.2E-03	5.2E-03	4.7E-03	3.4E-03					
TOTAL HAZARD INDEX	1.4E+00	6.9E-01	6.5E-01	7.8E-01	1.0E+00	6.7E-01	6.9E-01	1.9E-01	1.8E-01	1.7E-01	3.5E+00	3.8E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-526	SB-527	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536	SB-537
SAMPLE ID	SB-526-0001	SB-527-0001	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001	SB-537-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.7E-01	2.5E-01	1.5E-01	7.0E+00	3.1E+00	1.3E+00	1.5E-02	3.1E-01	3.4E-01	6.6E-02	9.1E-01	8.7E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.7E-01	2.5E-01	1.5E-01	7.0E+00	3.1E+00	1.3E+00	1.5E-02	3.1E-01	3.4E-01	6.6E-02	9.1E-01	8.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E+00	3.2E+00	1.9E+00	8.9E+01	4.0E+01	1.7E+01	1.9E-01	3.9E+00	4.3E+00	8.5E-01	1.2E+01	1.1E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E+00	3.2E+00	1.9E+00	8.9E+01	4.0E+01	1.7E+01	1.9E-01	3.9E+00	4.3E+00	8.5E-01	1.2E+01	1.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823	SB-824	SB-825	SB-827	SB-828
SAMPLE ID	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS
SAMPLE DATE	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915	20100915	20100913	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.1E-02	1.5E-01	6.6E-04	6.3E-04	6.6E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.1E-02	1.5E-01	6.6E-04	6.3E-04	6.6E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.9E-01	1.9E+00	8.5E-03	8.0E-03	8.5E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.9E-01	1.9E+00	8.5E-03	8.0E-03	8.5E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-831	SB-832	SB-833	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G
SAMPLE ID	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02
SAMPLE DATE	20100917	20100914	20100913	20100917	20100916	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH						2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	1	1	2	2	2	2	2	2	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE						1.7E-07	1.2E-04	1.2E-07	1.3E-07	3.3E-02	2.4E-04	1.3E-07
1,2,4-TRICHLOROBENZENE						5.1E-07	4.0E-04	1.6E-06	7.4E-07	5.1E-01	3.4E-03	9.7E-07
1,4-DICHLOROBENZENE						1.0E-08	3.6E-07	7.4E-09	7.9E-09	4.4E-05	1.2E-06	3.9E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.0E-04	6.6E-04	6.6E-04	3.2E-03	7.7E-04	6.3E-04	1.4E-02	7.0E-04	7.3E-04	7.0E-01	7.3E-02	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.6E-04	6.6E-04	3.2E-03	7.7E-04	6.3E-04	1.5E-02	7.0E-04	7.3E-04	1.2E+00	7.7E-02	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE						3.5E-06	2.4E-03	2.5E-06	2.7E-06	6.8E-01	4.9E-03	2.7E-06
1,2,4-TRICHLOROBENZENE						2.4E-06	1.8E-03	7.2E-06	3.4E-06	2.4E+00	1.6E-02	4.4E-06
1,4-DICHLOROBENZENE						9.7E-08	3.4E-06	7.0E-08	7.5E-08	4.2E-04	1.2E-05	3.7E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.9E-03	8.5E-03	8.5E-03	4.0E-02	9.8E-03	8.0E-03	1.8E-01	8.9E-03	9.3E-03	8.9E+00	9.3E-01	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.5E-03	8.5E-03	4.0E-02	9.8E-03	8.0E-03	1.9E-01	8.9E-03	9.3E-03	1.2E+01	9.5E-01	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833H	SB-833J	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838	SB-839
SAMPLE ID	E-SB-833H-02	E-SB-833J-02	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS	E-SB-839-SS
SAMPLE DATE	20101012	20101013	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	2	2	2	2	2						
BOTTOM DEPTH	2	2	2	2	2	2	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.4E-07	4.0E-05	3.7E-02	2.6E-04	9.4E-06	1.3E-07						
1,2,4-TRICHLOROBENZENE	1.6E-06	7.4E-04	6.0E-01	4.6E-03	1.3E-04	3.1E-07						
1,4-DICHLOROBENZENE	8.6E-09	3.6E-07	8.0E-05	1.1E-06	8.6E-09	7.9E-09						
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	7.0E-03	1.4E+00	7.0E-04	7.0E-03	7.0E-04	6.6E-04	7.0E-03	7.0E-04	6.6E-04	6.6E-04	1.8E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.7E-03	2.0E+00	5.5E-03	7.1E-03	7.0E-04	6.6E-04	7.0E-03	7.0E-04	6.6E-04	6.6E-04	1.8E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	2.9E-06	8.1E-04	7.4E-01	5.2E-03	1.9E-04	2.7E-06						
1,2,4-TRICHLOROBENZENE	7.2E-06	3.4E-03	2.7E+00	2.1E-02	6.1E-04	1.4E-06						
1,4-DICHLOROBENZENE	8.2E-08	3.4E-06	7.6E-04	1.1E-05	8.2E-08	7.5E-08						
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	8.9E-02	1.7E+01	8.9E-03	8.9E-02	8.9E-03	8.5E-03	8.9E-02	8.9E-03	8.5E-03	8.5E-03	2.4E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	9.3E-02	2.1E+01	3.5E-02	9.0E-02	8.9E-03	8.5E-03	8.9E-02	8.9E-03	8.5E-03	8.5E-03	2.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH								
BOTTOM DEPTH	1	1	1	1	1	1	1	1
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
AROCLOR-1254	6.3E-04	6.3E-02	6.6E-04	6.6E-04	6.6E-03	3.2E-01	6.6E-04	6.3E-04
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	6.3E-04	6.3E-02	6.6E-04	6.6E-04	6.6E-03	3.2E-01	6.6E-04	6.3E-04
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
AROCLOR-1254	8.0E-03	8.0E-01	8.5E-03	8.5E-03	8.5E-02	4.0E+00	8.5E-03	8.0E-03
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	8.0E-03	8.0E-01	8.5E-03	8.5E-03	8.5E-02	4.0E+00	8.5E-03	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819	SB-820	SB-820
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AV	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	1.1E-08	1.0E-08	1.1E-08	9.0E-09	1.0E-08	9.0E-09	8.7E-09	8.5E-09	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.0E-09	1.1E-08	1.0E-08	1.1E-08	9.6E-08	1.0E-08	9.0E-09	8.7E-09	8.5E-09	5.4E-08	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	2.2E-08	2.0E-08	2.2E-08	1.0E-07	2.0E-08	1.8E-08	1.7E-08	1.7E-08	6.4E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	5.4E-08	5.0E-08	5.4E-08	4.5E-08	5.0E-08	4.5E-08	4.3E-08	4.2E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.5E-08	5.4E-08	5.0E-08	5.4E-08	4.8E-07	5.0E-08	4.5E-08	4.3E-08	4.2E-08	2.7E-07	4.7E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	1.1E-07	9.9E-08	1.1E-07	5.2E-07	9.9E-08	8.9E-08	8.7E-08	8.4E-08	3.2E-07	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	SB-821-09-AV	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	SB-822-05-AV	E-SB-822-05-D
SAMPLE DATE	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09	1.0E-08	1.0E-08	3.7E-08	1.0E-08	6.0E-08	4.1E-08	2.3E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	2.0E-08	2.1E-08	4.6E-08	2.0E-08	7.1E-08	5.2E-08	3.3E-08	2.0E-08	2.1E-08	2.1E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08	5.0E-08	5.2E-08	4.7E-08	5.0E-08	5.4E-08	5.3E-08	5.2E-08	5.0E-08	5.2E-08	5.2E-08	5.2E-08
AROCLOR-1260	4.7E-08	5.0E-08	5.2E-08	1.8E-07	5.0E-08	3.0E-07	2.1E-07	1.1E-07	5.0E-08	5.2E-08	5.2E-08	5.2E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.9E-08	1.0E-07	2.3E-07	9.9E-08	3.5E-07	2.6E-07	1.7E-07	9.9E-08	1.0E-07	1.0E-07	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824	SB-825	SB-825
SAMPLE ID	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AV	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
BOTTOM DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	3.7E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.1E-08	2.1E-08	1.9E-08	4.6E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	1.9E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	5.2E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.2E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.2E-08	4.7E-08	1.8E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.2E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	1.0E-07	1.0E-07	9.4E-08	2.3E-07	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.4E-08	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828
SAMPLE ID	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	SB-826-09-AV	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
BOTTOM DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.9E-07	1.0E-05	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.5E-06	2.6E-04	3.0E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.7E-06	2.7E-04	3.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	9.7E-07	5.0E-05	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.2E-05	1.3E-03	1.5E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.3E-05	1.3E-03	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-828	SB-829	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE	20100916	20100917	20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08
AROCLOR-1260	1.3E-07	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-07	2.0E-08	2.0E-08	2.3E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	1.8E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08
AROCLOR-1260	6.4E-07	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.0E-07	9.9E-08	9.9E-08	1.1E-07	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	8.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A	SB-833B	SB-833B
SAMPLE ID	E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10	E-SB-833B-04	E-SB-833B-06
SAMPLE DATE	20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
BOTTOM DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE								4.9E-05	7.1E-07	4.2E-06	1.7E-12	6.1E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								8.3E-06	1.1E-06	1.8E-06	1.5E-11	1.8E-11
BAP EQUIVALENT-HALFND								1.4E-04	1.4E-06	3.5E-07	6.8E-09	7.1E-09
NAPHTHALENE								2.4E-07	1.3E-08	2.0E-08	1.3E-09	1.9E-09
AROCLOR-1254	1.0E-08	1.0E-08	1.2E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-04	1.0E-04	1.0E-04	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	6.3E-08	1.2E-08	1.1E-08	3.3E-07	1.4E-07	1.0E-08	2.4E-02	5.1E-04	2.0E-03	1.1E-07	5.2E-07
ARSENIC								2.2E-07				
COBALT								1.2E-09				
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								8.8E-08				
TOTAL CANCER RISK	2.0E-08	7.3E-08	2.4E-08	2.2E-08	3.4E-07	1.5E-07	2.0E-08	2.5E-02	6.2E-04	2.1E-03	1.3E-07	5.4E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE								4.8E-04	7.1E-06	4.2E-05	1.7E-11	6.1E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								4.2E-05	5.5E-06	9.1E-06	7.8E-11	9.3E-11
BAP EQUIVALENT-HALFND								3.0E-03	3.0E-05	7.5E-06	1.5E-07	1.5E-07
NAPHTHALENE								1.2E-06	6.8E-08	1.0E-07	6.8E-09	9.4E-09
AROCLOR-1254	5.0E-08	5.0E-08	5.9E-08	5.4E-08	5.0E-08	5.0E-08	5.0E-08	2.7E-03	5.2E-04	5.2E-04	5.0E-08	5.2E-08
AROCLOR-1260	5.0E-08	3.1E-07	5.9E-08	5.4E-08	1.6E-06	6.9E-07	5.0E-08	1.2E-01	2.5E-03	9.9E-03	5.4E-07	2.6E-06
ARSENIC								1.7E-06				
COBALT								6.1E-09				
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								1.3E-06				
TOTAL CANCER RISK	9.9E-08	3.6E-07	1.2E-07	1.1E-07	1.7E-06	7.4E-07	9.9E-08	1.3E-01	3.1E-03	1.0E-02	7.5E-07	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E
SAMPLE ID	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	5.6E-11	3.5E-12	1.7E-12	2.4E-12	2.0E-12	1.2E-12	1.4E-12	6.8E-12	5.6E-10	1.3E-10	1.3E-06	2.4E-08
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.7E-11	1.9E-11	1.8E-11	1.8E-11	2.0E-11	1.6E-11	1.8E-11	2.0E-11	8.9E-10	5.2E-10	1.7E-07	8.9E-09
BAP EQUIVALENT-HALFND	6.6E-09	6.8E-09	6.6E-09	6.8E-09	6.9E-09	7.1E-09	6.9E-09	7.3E-09	6.8E-09	7.4E-09	1.3E-07	6.8E-09
NAPHTHALENE	8.7E-09	2.8E-09	1.0E-08	8.4E-11	8.7E-11	8.9E-11	8.7E-11	9.1E-11	2.7E-09	8.2E-10	1.7E-09	8.4E-11
AROCLOR-1254	1.0E-08	5.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.1E-08	4.9E-06	1.0E-06
AROCLOR-1260	1.5E-07	7.5E-07	5.0E-08	2.4E-08	1.0E-08	2.7E-08	1.0E-08	1.1E-08	4.8E-08	1.1E-08	1.8E-04	2.7E-05
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-07	8.1E-07	7.6E-08	4.1E-08	2.7E-08	4.5E-08	2.8E-08	2.9E-08	6.9E-08	3.1E-08	1.9E-04	2.8E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	5.6E-10	3.5E-11	1.7E-11	2.4E-11	2.0E-11	1.2E-11	1.4E-11	6.8E-11	5.6E-09	1.3E-09	1.3E-05	2.4E-07
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.5E-11	9.8E-11	9.3E-11	9.3E-11	1.0E-10	8.3E-11	8.9E-11	1.0E-10	4.6E-09	2.7E-09	8.8E-07	4.6E-08
BAP EQUIVALENT-HALFND	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.6E-07	2.9E-06	1.5E-07
NAPHTHALENE	4.4E-08	1.4E-08	5.0E-08	4.3E-10	4.4E-10	4.5E-10	4.4E-10	4.6E-10	1.4E-08	4.1E-09	8.4E-09	4.3E-10
AROCLOR-1254	5.0E-08	2.5E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.4E-08	5.0E-08	5.4E-08	2.5E-05	5.0E-06
AROCLOR-1260	7.4E-07	3.7E-06	2.5E-07	1.2E-07	5.0E-08	1.3E-07	5.2E-08	5.4E-08	2.4E-07	5.4E-08	8.9E-04	1.3E-04
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.8E-07	4.1E-06	4.9E-07	3.2E-07	2.5E-07	3.4E-07	2.5E-07	2.7E-07	4.6E-07	2.8E-07	9.3E-04	1.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I
SAMPLE ID	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
BOTTOM DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	7.6E-09	9.1E-09	7.6E-09	3.6E-09	3.8E-11	1.1E-10	1.7E-12	1.9E-10	4.9E-09	4.9E-10	5.6E-07	3.3E-07
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	5.7E-09	7.0E-09	5.9E-09	3.7E-09	1.0E-10	2.4E-09	1.1E-09	1.9E-09	8.9E-09	6.3E-10	1.9E-07	1.5E-07
BAP EQUIVALENT-HALFND	6.8E-09	6.9E-09	7.1E-09	7.1E-09	7.3E-09	6.9E-09	6.8E-09	6.8E-09	6.6E-09	6.9E-09	6.9E-08	6.1E-07
NAPHTHALENE	8.4E-11	7.4E-10	8.9E-11	8.9E-11	9.1E-11	8.7E-11	8.4E-11	1.0E-09	8.2E-11	8.7E-11	8.7E-10	8.4E-10
AROCLOR-1254	1.0E-08	1.0E-07	1.0E-08	1.0E-07	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-05	1.0E-05
AROCLOR-1260	2.5E-07	2.3E-06	1.0E-07	1.0E-06	8.3E-08	7.7E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.2E-04	3.5E-04
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-07	2.4E-06	1.3E-07	1.1E-06	1.0E-07	9.7E-08	2.8E-08	3.0E-08	4.0E-08	2.9E-08	2.3E-04	3.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	7.6E-08	9.1E-08	7.6E-08	3.6E-08	3.8E-10	1.1E-09	1.7E-11	1.9E-09	4.9E-08	4.8E-09	5.6E-06	3.3E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.9E-08	3.6E-08	3.0E-08	1.9E-08	5.2E-10	1.2E-08	5.9E-09	9.8E-09	4.6E-08	3.2E-09	9.4E-07	7.5E-07
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-06	1.3E-05
NAPHTHALENE	4.3E-10	3.7E-09	4.5E-10	4.5E-10	4.6E-10	4.4E-10	4.3E-10	5.0E-09	4.1E-10	4.4E-10	4.4E-09	4.3E-09
AROCLOR-1254	5.0E-08	5.2E-07	5.2E-08	5.2E-07	5.4E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-05	5.0E-05
AROCLOR-1260	1.2E-06	1.1E-05	5.0E-07	5.0E-06	4.1E-07	3.8E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	1.1E-03	1.7E-03
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.2E-05	8.1E-07	5.7E-06	6.2E-07	6.0E-07	2.5E-07	2.6E-07	3.4E-07	2.6E-07	1.1E-03	1.8E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M
SAMPLE ID	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.8E-12	2.8E-12	1.2E-12	2.6E-09	6.1E-07	8.6E-09	1.4E-07	9.6E-09	5.1E-09	2.1E-06	2.5E-12	1.3E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-11	1.7E-11	1.8E-11	1.3E-09	9.6E-08	6.3E-09	1.6E-08	4.3E-09	1.7E-09	2.7E-07	2.0E-11	1.6E-11
BAP EQUIVALENT-HALFND	6.6E-09	6.9E-09	6.8E-09	7.1E-09	6.8E-08	6.8E-09	4.9E-07	6.8E-09	6.9E-09	6.6E-08	6.9E-09	6.6E-09
NAPHTHALENE	8.2E-11	8.7E-11	8.4E-11	8.9E-11	8.4E-10	8.4E-11	8.4E-10	8.4E-11	8.7E-11	8.2E-10	8.7E-11	8.2E-11
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.0E-05	2.0E-06	1.0E-05	1.0E-08	2.0E-07	4.9E-05	2.0E-08	4.9E-08
AROCLOR-1260	1.6E-07	3.9E-08	7.0E-08	1.8E-07	9.7E-04	3.5E-05	2.7E-04	7.3E-08	4.5E-06	7.0E-04	2.4E-07	8.6E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-07	5.6E-08	8.6E-08	2.0E-07	1.0E-03	3.7E-05	2.8E-04	1.0E-07	4.7E-06	7.5E-04	2.7E-07	9.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.8E-11	2.8E-11	1.2E-11	2.6E-08	6.1E-06	8.6E-08	1.4E-06	9.6E-08	5.1E-08	2.1E-05	2.5E-11	1.3E-09
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-11	8.8E-11	8.9E-11	6.5E-09	4.9E-07	3.2E-08	8.1E-08	2.2E-08	8.8E-09	1.4E-06	1.0E-10	8.3E-11
BAP EQUIVALENT-HALFND	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-06	1.5E-07	1.1E-05	1.5E-07	1.5E-07	1.4E-06	1.5E-07	1.4E-07
NAPHTHALENE	4.1E-10	4.4E-10	4.3E-10	4.5E-10	4.3E-09	4.3E-10	4.3E-09	4.3E-10	4.4E-10	4.1E-09	4.4E-10	4.1E-10
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08	5.2E-08	2.5E-04	9.9E-06	5.0E-05	5.0E-08	1.0E-06	2.5E-04	1.0E-07	2.5E-07
AROCLOR-1260	7.9E-07	1.9E-07	3.5E-07	8.9E-07	4.8E-03	1.7E-04	1.3E-03	3.6E-07	2.2E-05	3.5E-03	1.2E-06	4.3E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-07	3.9E-07	5.4E-07	1.1E-06	5.1E-03	1.8E-04	1.4E-03	6.8E-07	2.4E-05	3.7E-03	1.4E-06	4.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N	/IRC-MW43/	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003	SB-004
SAMPLE ID	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10	C-MW43[09	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10	SB-4-05
SAMPLE DATE	20101013	20101013	20101014	20101014	20101014	20101014	20050517	20031120	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	9	5	10	5	10	5	10	5
BOTTOM DEPTH	8	10	4	6	8	10	10	5	10	5	10	5	10	5
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.7E-12	1.7E-12	5.8E-13	6.3E-13	1.3E-12	3.0E-11		1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	2.0E-11	1.8E-11	1.8E-11	2.0E-11	2.0E-11	1.9E-11		2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10
BAP EQUIVALENT-HALFND	6.9E-09	6.9E-09	6.9E-08	9.2E-07	2.1E-07	2.8E-08		8.3E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	1.8E-06
NAPHTHALENE	8.7E-11	8.7E-11	8.7E-10	8.9E-10	8.7E-10	3.5E-10		1.0E-08	9.7E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	1.0E-08
AROCLOR-1254	2.0E-08	1.0E-08	1.0E-08	1.0E-08	5.0E-08	5.0E-08		3.6E-08	3.3E-08	3.3E-08	3.3E-08	3.2E-08	3.3E-08	3.4E-08
AROCLOR-1260	5.9E-07	7.3E-08	2.1E-07	8.0E-08	3.7E-07	4.3E-07		3.6E-08	3.3E-08	3.3E-08	3.3E-08	3.2E-08	3.3E-08	3.4E-08
ARSENIC								2.0E-06	6.6E-07	7.7E-07	3.2E-07	5.5E-07	5.9E-07	1.8E-06
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM								7.2E-07	1.8E-07	4.7E-08	4.5E-08	9.1E-08	7.2E-08	7.4E-07
TOTAL CANCER RISK	6.1E-07	9.0E-08	2.9E-07	1.0E-06	6.3E-07	5.1E-07		3.6E-06	1.7E-06	1.7E-06	1.2E-06	1.5E-06	1.5E-06	4.5E-06
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.7E-11	1.7E-11	5.8E-12	6.3E-12	1.3E-11	3.0E-10		1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.0E-10	9.3E-11	9.1E-11	1.0E-10	1.0E-10	9.9E-11		1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-06	2.0E-05	4.5E-06	6.0E-07		1.8E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	4.0E-05
NAPHTHALENE	4.4E-10	4.4E-10	4.4E-09	4.5E-09	4.4E-09	1.7E-09		5.2E-08	4.9E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	5.0E-08
AROCLOR-1254	1.0E-07	5.0E-08	5.2E-08	5.2E-08	2.5E-07	2.5E-07		1.8E-07	1.7E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07
AROCLOR-1260	2.9E-06	3.6E-07	1.0E-06	4.0E-07	1.8E-06	2.1E-06		1.8E-07	1.7E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07
ARSENIC								1.6E-05	5.1E-06	6.0E-06	2.5E-06	4.3E-06	4.6E-06	1.4E-05
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM								1.1E-05	2.7E-06	7.0E-07	6.8E-07	1.4E-06	1.1E-06	1.1E-05
TOTAL CANCER RISK	3.2E-06	5.6E-07	2.6E-06	2.0E-05	6.6E-06	3.0E-06		4.5E-05	2.5E-05	2.4E-05	2.0E-05	2.3E-05	2.3E-05	6.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020
SAMPLE ID	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10
SAMPLE DATE	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	5	5	5	5	5	5	10	5	10
BOTTOM DEPTH	10	5	5	5	5	5	5	5	5	5	5	10	5	10
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.8E-11													
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	2.2E-10													
BAP EQUIVALENT-HALFND	7.8E-07													
NAPHTHALENE	9.7E-09													
AROCLOR-1254	3.4E-08													
AROCLOR-1260	3.4E-08													
ARSENIC	8.8E-07													
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM	1.9E-07													
TOTAL CANCER RISK	1.9E-06													
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.8E-10													
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.1E-09													
BAP EQUIVALENT-HALFND	1.7E-05													
NAPHTHALENE	4.9E-08													
AROCLOR-1254	1.7E-07													
AROCLOR-1260	1.7E-07													
ARSENIC	6.8E-06													
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM	2.9E-06													
TOTAL CANCER RISK	2.7E-05													

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	4	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	10	4	5	6	10	6	10	6	10	6	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-11	1.5E-11	1.4E-11	1.5E-11	2.4E-08	3.5E-07	3.6E-10	1.9E-08	1.5E-11	2.4E-12
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			1.9E-10	1.9E-10	1.8E-10	1.9E-10	1.1E-09	4.1E-08	1.9E-10	9.3E-09	1.9E-10	1.8E-10
BAP EQUIVALENT-HALFND			6.8E-07	6.9E-07	6.4E-07	6.9E-07	6.4E-07	6.8E-07	7.5E-07	6.6E-06	8.1E-07	7.5E-06
NAPHTHALENE			8.4E-09	8.7E-09	8.0E-09	8.7E-09	8.0E-09	8.4E-09	8.4E-09	8.2E-08	8.7E-09	1.4E-08
AROCLOR-1254			1.4E-07	1.5E-07	1.8E-08	2.0E-08	3.7E-07	1.9E-06	3.8E-06	9.5E-06	1.0E-07	9.5E-07
AROCLOR-1260			1.4E-07	1.5E-07	1.8E-08	2.0E-08	5.8E-06	2.4E-05	4.9E-05	6.5E-05	3.8E-07	1.1E-05
ARSENIC			5.9E-07	4.8E-07	1.1E-07	2.7E-07	4.0E-07	3.4E-07	4.8E-07	2.0E-07	1.5E-07	7.3E-07
COBALT					2.7E-10	3.9E-10	3.9E-10	9.3E-10	2.5E-10	1.5E-10	4.1E-11	2.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			2.8E-07	1.5E-07	2.0E-07	3.0E-07	1.7E-07	4.3E-07	1.6E-07	9.1E-08	8.8E-08	3.6E-07
TOTAL CANCER RISK			1.8E-06	1.6E-06	1.0E-06	1.3E-06	7.4E-06	2.8E-05	5.4E-05	8.1E-05	1.5E-06	2.1E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-10	1.5E-10	1.4E-10	1.5E-10	2.4E-07	3.5E-06	3.6E-09	1.9E-07	1.5E-10	2.4E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			9.8E-10	9.8E-10	9.1E-10	9.8E-10	5.5E-09	2.1E-07	9.4E-10	4.7E-08	9.9E-10	9.3E-10
BAP EQUIVALENT-HALFND			1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.5E-05	1.6E-05	1.4E-04	1.8E-05	1.6E-04
NAPHTHALENE			4.3E-08	4.4E-08	4.0E-08	4.4E-08	4.0E-08	4.3E-08	4.3E-08	4.1E-07	4.4E-08	7.2E-08
AROCLOR-1254			6.9E-07	7.4E-07	9.2E-08	9.9E-08	1.8E-06	9.7E-06	1.9E-05	4.7E-05	5.0E-07	4.7E-06
AROCLOR-1260			6.9E-07	7.4E-07	9.2E-08	9.9E-08	2.9E-05	1.2E-04	2.4E-04	3.2E-04	1.9E-06	5.4E-05
ARSENIC			4.6E-06	3.7E-06	8.8E-07	2.1E-06	3.1E-06	2.7E-06	3.7E-06	1.6E-06	1.2E-06	5.7E-06
COBALT					1.4E-09	1.9E-09	1.9E-09	4.7E-09	1.3E-09	7.7E-10	2.1E-10	9.8E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			4.1E-06	2.3E-06	3.1E-06	4.5E-06	2.5E-06	6.5E-06	2.4E-06	1.4E-06	1.3E-06	5.3E-06
TOTAL CANCER RISK			2.5E-05	2.3E-05	1.8E-05	2.2E-05	5.0E-05	1.6E-04	2.8E-04	5.2E-04	2.3E-05	2.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508	SB-508	SB-508	SB-509
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	B-508-0406-AV	SB-508-0406-D	SB-508-0810	SB-509-0406
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4	4	8	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-12	1.5E-11	1.1E-12	1.5E-11	1.6E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	2.0E-10	1.9E-10	2.0E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	9.9E-07	6.6E-07	8.3E-07	6.6E-07	7.3E-07	7.1E-07	6.6E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	6.6E-07
NAPHTHALENE	9.5E-10	8.2E-09	8.9E-09	8.2E-09	9.1E-09	8.9E-09	8.2E-09	8.4E-09	8.4E-09	8.4E-09	8.7E-09	8.2E-09
AROCLOR-1254	1.9E-07	1.9E-08	1.0E-07	1.9E-08	2.1E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08
AROCLOR-1260	2.3E-06	1.5E-08	6.5E-07	1.9E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08
ARSENIC	4.4E-07	4.4E-07	6.2E-07	5.9E-07	3.7E-07	8.4E-07	4.0E-07	5.1E-07	4.4E-07	3.7E-07	1.5E-07	6.2E-07
COBALT	1.0E-09	1.4E-09	1.0E-09	7.5E-10	5.5E-10	7.5E-10	2.7E-10	5.2E-10	4.5E-10	3.9E-10	8.0E-10	5.2E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.7E-07	2.8E-07	3.5E-07	2.4E-07	1.2E-07	3.1E-07	2.1E-07	2.5E-07	2.2E-07	1.8E-07	3.6E-07	2.8E-07
TOTAL CANCER RISK	4.3E-06	1.4E-06	2.6E-06	1.5E-06	1.3E-06	1.9E-06	1.3E-06	1.5E-06	1.4E-06	1.3E-06	1.3E-06	1.6E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-11	1.5E-10	1.1E-11	1.5E-10	1.6E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.4E-10	9.4E-10	1.0E-09	9.4E-10	1.0E-09	1.0E-09	9.4E-10	9.4E-10	9.5E-10	9.6E-10	9.8E-10	9.4E-10
BAP EQUIVALENT-HALFND	2.2E-05	1.4E-05	1.8E-05	1.4E-05	1.6E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05
NAPHTHALENE	4.8E-09	4.1E-08	4.5E-08	4.1E-08	4.6E-08	4.5E-08	4.1E-08	4.3E-08	4.3E-08	4.3E-08	4.4E-08	4.1E-08
AROCLOR-1254	9.4E-07	9.4E-08	5.2E-07	9.4E-08	1.0E-07	1.0E-07	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08
AROCLOR-1260	1.1E-05	7.4E-08	3.2E-06	9.4E-08	9.9E-08	1.0E-07	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08
ARSENIC	3.4E-06	3.4E-06	4.8E-06	4.6E-06	2.8E-06	6.6E-06	3.1E-06	4.0E-06	3.4E-06	2.8E-06	1.2E-06	4.8E-06
COBALT	5.2E-09	7.2E-09	5.3E-09	3.8E-09	2.7E-09	3.8E-09	1.4E-09	2.6E-09	2.3E-09	1.9E-09	4.0E-09	2.6E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	5.5E-06	4.2E-06	5.3E-06	3.6E-06	1.8E-06	4.6E-06	3.1E-06	3.8E-06	3.3E-06	2.8E-06	5.5E-06	4.1E-06
TOTAL CANCER RISK	4.3E-05	2.2E-05	3.2E-05	2.3E-05	2.1E-05	2.7E-05	2.1E-05	2.3E-05	2.2E-05	2.1E-05	2.2E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836
SAMPLE ID	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09
SAMPLE DATE	20071129	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	10	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-11											
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.8E-10											
BAP EQUIVALENT-HALFND	6.6E-07											
NAPHTHALENE	8.2E-09											
AROCLOR-1254	1.9E-08	1.1E-08	1.0E-08	1.1E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-07	1.1E-08	1.0E-08	1.0E-08	1.1E-08
AROCLOR-1260	1.9E-08	2.8E-07	2.3E-08	2.4E-08	9.5E-09	3.1E-07	9.4E-08	3.5E-06	1.1E-08	2.2E-08	1.0E-08	1.1E-08
ARSENIC	9.1E-07											
COBALT	5.2E-10											
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	2.3E-07											
TOTAL CANCER RISK	1.8E-06	2.9E-07	3.3E-08	3.5E-08	1.9E-08	3.2E-07	1.0E-07	3.6E-06	2.3E-08	3.2E-08	2.0E-08	2.2E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-10											
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.3E-10											
BAP EQUIVALENT-HALFND	1.4E-05											
NAPHTHALENE	4.1E-08											
AROCLOR-1254	9.4E-08	5.7E-08	5.0E-08	5.4E-08	4.7E-08	5.2E-08	5.2E-08	5.0E-07	5.7E-08	5.0E-08	5.0E-08	5.4E-08
AROCLOR-1260	9.4E-08	1.4E-06	1.1E-07	1.2E-07	4.7E-08	1.5E-06	4.7E-07	1.7E-05	5.7E-08	1.1E-07	5.0E-08	5.4E-08
ARSENIC	7.1E-06											
COBALT	2.6E-09											
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.4E-06											
TOTAL CANCER RISK	2.5E-05	1.4E-06	1.6E-07	1.7E-07	9.4E-08	1.6E-06	5.2E-07	1.8E-05	1.1E-07	1.6E-07	9.9E-08	1.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-03	E-SB-837-05	E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.0E-09	9.5E-09	1.0E-08	5.9E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.7E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	1.9E-08	2.1E-08	6.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	3.7E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	4.5E-08	4.7E-08	5.2E-08	2.9E-07	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.3E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	9.4E-08	1.0E-07	3.4E-07	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.8E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841	SB-842	SB-842
SAMPLE ID	E-SB-840-03	E-SB-840-05	SB-840-05-AV	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09	E-SB-842-3	E-SB-842-5
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913	20100913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	3.5E-08	6.8E-08	1.4E-07	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	4.4E-08	7.8E-08	1.5E-07	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.5E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	1.7E-07	3.4E-07	6.9E-07	4.7E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.4E-08	9.4E-08	2.2E-07	3.9E-07	7.4E-07	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845
SAMPLE ID	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05
SAMPLE DATE	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.1E-08	1.0E-08	5.5E-08	4.4E-08	9.0E-09
AROCLOR-1260	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.2E-07	1.0E-08	4.0E-07	9.5E-09	9.0E-09
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	1.9E-08	2.3E-08	1.3E-07	2.1E-08	4.5E-07	5.3E-08	1.8E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.7E-08	5.4E-08	5.2E-08	2.7E-07	2.2E-07	4.5E-08
AROCLOR-1260	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.7E-08	5.9E-07	5.2E-08	2.0E-06	4.7E-08	4.5E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.4E-08	1.1E-07	6.5E-07	1.0E-07	2.3E-06	2.6E-07	8.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-005	SB-005
SAMPLE ID	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09	SB-5-05	SB-5-10
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	5	10
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	5	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE											1.5E-11	1.8E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE											1.9E-10	2.2E-10
BAP EQUIVALENT-HALFND											7.3E-07	7.8E-07
NAPHTHALENE											9.1E-09	9.7E-09
AROCLOR-1254	1.0E-08	4.7E-08	1.0E-08	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	3.2E-08	3.4E-08
AROCLOR-1260	1.0E-08	3.5E-07	1.0E-08	9.0E-09	1.0E-08	1.0E-08	6.0E-08	1.0E-08	1.0E-08	1.0E-08	3.2E-08	3.4E-08
ARSENIC											5.1E-07	4.0E-07
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											6.6E-08	5.2E-08
TOTAL CANCER RISK	2.0E-08	4.0E-07	2.0E-08	1.8E-08	2.0E-08	2.1E-08	7.0E-08	2.0E-08	2.0E-08	2.0E-08	1.4E-06	1.3E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE											1.5E-10	1.8E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE											9.8E-10	1.1E-09
BAP EQUIVALENT-HALFND											1.6E-05	1.7E-05
NAPHTHALENE											4.6E-08	4.9E-08
AROCLOR-1254	5.0E-08	2.3E-07	5.0E-08	4.5E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.6E-07	1.7E-07
AROCLOR-1260	5.0E-08	1.7E-06	5.0E-08	4.5E-08	5.0E-08	5.2E-08	3.0E-07	5.0E-08	5.0E-08	5.0E-08	1.6E-07	1.7E-07
ARSENIC											4.0E-06	3.1E-06
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											9.9E-07	7.9E-07
TOTAL CANCER RISK	9.9E-08	2.0E-06	9.9E-08	8.9E-08	9.9E-08	1.0E-07	3.5E-07	9.9E-08	9.9E-08	9.9E-08	2.1E-05	2.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512
SAMPLE ID	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	B-510-0810-AV	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	B-512-0810-AV
SAMPLE DATE	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH	5	10	5	6	10	10	10	6	10	6	10	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-11	1.8E-11		1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11	1.4E-11	1.6E-11	1.6E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.2E-10	2.2E-10		1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	1.8E-10	2.0E-10	2.0E-10
BAP EQUIVALENT-HALFND	7.4E-07	7.6E-07		6.6E-07	8.2E-07	8.0E-07	7.8E-07	1.4E-06	7.1E-07	6.6E-07	1.0E-06	1.3E-06
NAPHTHALENE	9.3E-09	9.5E-09		8.2E-09	8.2E-09	8.3E-09	8.4E-09	8.4E-09	8.9E-09	8.2E-09	8.9E-09	2.8E-09
AROCLOR-1254	3.2E-08	3.3E-08		1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	2.1E-08
AROCLOR-1260	3.2E-08	3.3E-08		1.9E-08	1.6E-08	1.6E-08	1.9E-08	1.6E-08	2.0E-08	1.9E-08	1.8E-08	3.5E-08
ARSENIC	2.8E-07	7.3E-07		9.5E-08	1.3E-07	1.1E-07	9.5E-08	2.1E-07	1.3E-07	2.2E-07	2.8E-07	4.0E-07
COBALT				2.7E-10	4.3E-10	4.4E-10	4.5E-10	1.9E-10	2.3E-10	6.8E-10	5.0E-10	4.9E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-07	6.1E-07		2.3E-07	3.2E-07	3.0E-07	2.8E-07	4.1E-08	1.1E-07	2.3E-07	2.5E-07	2.5E-07
TOTAL CANCER RISK	1.2E-06	2.2E-06		1.0E-06	1.3E-06	1.3E-06	1.2E-06	1.7E-06	1.0E-06	1.2E-06	1.6E-06	2.0E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-10	1.8E-10		1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10	1.4E-10	1.6E-10	1.6E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.1E-09	1.1E-09		9.4E-10	9.4E-10	9.4E-10	9.4E-10	9.6E-10	1.0E-09	9.3E-10	1.0E-09	1.0E-09
BAP EQUIVALENT-HALFND	1.6E-05	1.7E-05		1.4E-05	1.8E-05	1.7E-05	1.7E-05	3.1E-05	1.5E-05	1.4E-05	2.3E-05	2.9E-05
NAPHTHALENE	4.7E-08	4.8E-08		4.1E-08	4.1E-08	4.2E-08	4.3E-08	4.3E-08	4.5E-08	4.1E-08	4.5E-08	1.4E-08
AROCLOR-1254	1.6E-07	1.6E-07		9.4E-08	9.4E-08	9.5E-08	9.7E-08	9.7E-08	1.0E-07	9.4E-08	1.0E-07	1.0E-07
AROCLOR-1260	1.6E-07	1.6E-07		9.4E-08	7.9E-08	7.9E-08	9.7E-08	7.9E-08	1.0E-07	9.4E-08	8.9E-08	1.8E-07
ARSENIC	2.2E-06	5.7E-06		7.4E-07	1.0E-06	8.8E-07	7.4E-07	1.7E-06	1.0E-06	1.7E-06	2.2E-06	3.1E-06
COBALT				1.4E-09	2.2E-09	2.2E-09	2.3E-09	9.4E-10	1.1E-09	3.4E-09	2.5E-09	2.5E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	2.0E-06	9.1E-06		3.5E-06	4.8E-06	4.5E-06	4.2E-06	6.2E-07	1.7E-06	3.5E-06	3.7E-06	3.7E-06
TOTAL CANCER RISK	2.1E-05	3.2E-05		1.9E-05	2.4E-05	2.3E-05	2.2E-05	3.4E-05	1.8E-05	2.0E-05	2.9E-05	3.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518
SAMPLE ID	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	B-514-0810-AV	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0816	B-518-0406	B-518-081
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130	20071130
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	8	8	4	8	4	8	4	8
BOTTOM DEPTH	10	6	10	6	10	10	10	6	10	6	10	6	10
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	2.0E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10	2.1E-10
BAP EQUIVALENT-HALFND	1.6E-06	1.5E-06	6.8E-07	6.9E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	1.6E-06	6.9E-07	8.3E-07	6.9E-07	7.4E-07
NAPHTHALENE	2.8E-09	8.4E-09	8.4E-09	8.7E-09	8.4E-09	8.4E-09	8.4E-09	8.7E-09	8.9E-09	8.7E-09	8.7E-09	8.7E-09	9.3E-09
AROCLOR-1254	2.1E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08
AROCLOR-1260	5.3E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	1.9E-07	2.0E-08	2.1E-08
ARSENIC	5.1E-07	8.4E-07	1.7E-07	1.4E-07	4.8E-07	3.1E-07	1.5E-07	2.3E-07	8.1E-08	2.0E-07	2.7E-07	8.1E-07	1.6E-07
COBALT	4.8E-10	9.1E-10	2.2E-10	2.1E-09	2.0E-09	1.7E-09	1.5E-09	9.8E-10	1.4E-09	1.1E-09	1.0E-09	8.4E-10	6.4E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	2.5E-07	2.1E-07	6.3E-08	3.2E-07	3.1E-07	3.0E-07	2.9E-07	2.5E-07	2.9E-07	2.1E-07	3.1E-07	3.6E-07	1.2E-07
TOTAL CANCER RISK	2.4E-06	2.6E-06	9.5E-07	1.2E-06	1.5E-06	1.3E-06	1.2E-06	1.2E-06	2.0E-06	1.2E-06	1.6E-06	1.9E-06	1.1E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.0E-09	9.6E-10	9.4E-10	9.8E-10	9.6E-10	9.6E-10	9.6E-10	9.9E-10	1.0E-09	9.9E-10	9.9E-10	9.8E-10	1.1E-09
BAP EQUIVALENT-HALFND	3.4E-05	3.2E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.4E-05	1.5E-05	1.8E-05	1.5E-05	1.6E-05
NAPHTHALENE	1.4E-08	4.3E-08	4.3E-08	4.4E-08	4.3E-08	4.3E-08	4.3E-08	4.4E-08	4.5E-08	4.4E-08	4.4E-08	4.4E-08	4.7E-08
AROCLOR-1254	1.0E-07	9.7E-08	9.7E-08	9.9E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	1.0E-07	9.9E-08	9.9E-08	9.9E-08	1.1E-07
AROCLOR-1260	2.6E-07	9.7E-08	9.7E-08	9.9E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08	9.9E-08	9.4E-07	9.9E-08	1.1E-07
ARSENIC	4.0E-06	6.6E-06	1.3E-06	1.1E-06	3.7E-06	2.5E-06	1.2E-06	1.8E-06	6.3E-07	1.6E-06	2.1E-06	6.3E-06	1.2E-06
COBALT	2.4E-09	4.6E-09	1.1E-09	1.0E-08	1.0E-08	8.8E-09	7.4E-09	4.9E-09	7.1E-09	5.6E-09	5.3E-09	4.2E-09	3.2E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	3.8E-06	3.2E-06	9.5E-07	4.8E-06	4.6E-06	4.5E-06	4.4E-06	3.8E-06	4.4E-06	3.2E-06	4.7E-06	5.5E-06	1.8E-06
TOTAL CANCER RISK	4.2E-05	4.2E-05	1.7E-05	2.1E-05	2.3E-05	2.2E-05	2.1E-05	2.1E-05	3.9E-05	2.0E-05	2.6E-05	2.7E-05	1.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A
SAMPLE ID	SB-519-040	SB-519-081	SB-520-040	SB-520-081	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3
SAMPLE DATE	20071130	20071130	20071130	20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	3	4	3	4	4	3	4	3	4	3
BOTTOM DEPTH	6	10	6	10	4	3	4	3	4	4	3	4	3	4	3
INDUSTRIAL															
1,2,3-TRICHLOROBENZENE															
1,2,4-TRICHLOROBENZENE	1.5E-11	1.5E-11	1.5E-11	1.5E-11											
1,3-DICHLOROBENZENE															
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.9E-10	1.9E-10											
BAP EQUIVALENT-HALFND	6.6E-07	6.6E-07	6.9E-07	1.5E-06											
NAPHTHALENE	8.2E-09	8.2E-09	8.7E-09	8.7E-09											
AROCLOR-1254	1.9E-08	1.9E-08	2.0E-08	2.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08			9.5E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.9E-08	1.9E-08	2.0E-08	2.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08			9.5E-09	9.5E-09	1.0E-08
ARSENIC	2.2E-07	4.4E-07	4.4E-07	4.8E-07											
COBALT	6.4E-10	3.6E-10	1.2E-09	8.2E-10											
IRON															
LEAD															
MANGANESE															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM	2.1E-07	1.2E-07	2.6E-07	1.8E-07											
TOTAL CANCER RISK	1.1E-06	1.3E-06	1.4E-06	2.2E-06	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	2.0E-08			1.9E-08	1.9E-08	2.0E-08
RESIDENTIAL															
1,2,3-TRICHLOROBENZENE															
1,2,4-TRICHLOROBENZENE	1.5E-10	1.5E-10	1.5E-10	1.5E-10											
1,3-DICHLOROBENZENE															
1,4-DICHLOROBENZENE	9.4E-10	9.4E-10	9.9E-10	9.8E-10											
BAP EQUIVALENT-HALFND	1.4E-05	1.4E-05	1.5E-05	3.2E-05											
NAPHTHALENE	4.1E-08	4.1E-08	4.4E-08	4.4E-08											
AROCLOR-1254	9.4E-08	9.4E-08	9.9E-08	9.9E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08			4.7E-08	4.7E-08	5.0E-08
AROCLOR-1260	9.4E-08	9.4E-08	9.9E-08	9.9E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08			4.7E-08	4.7E-08	5.0E-08
ARSENIC	1.7E-06	3.4E-06	3.4E-06	3.7E-06											
COBALT	3.2E-09	1.8E-09	6.1E-09	4.1E-09											
IRON															
LEAD															
MANGANESE															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM	3.2E-06	1.9E-06	3.9E-06	2.7E-06											
TOTAL CANCER RISK	1.9E-05	2.0E-05	2.3E-05	3.9E-05	9.9E-08	9.9E-08	9.9E-08	9.4E-08	9.4E-08	9.9E-08			9.4E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556	SB-557	SB-557
SAMPLE ID	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8	SB-557-4	SB-557-6
SAMPLE DATE	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	4	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	3	4	4	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08			9.8E-06	9.0E-09	9.5E-09	1.0E-08				2.7E-08	
AROCLOR-1260	1.0E-08			7.8E-06	9.0E-09	2.5E-07	1.0E-08				9.0E-09	
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08			1.8E-05	1.8E-08	2.6E-07	2.0E-08				3.6E-08	
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08			4.9E-05	4.5E-08	4.7E-08	5.0E-08				1.3E-07	
AROCLOR-1260	5.0E-08			3.9E-05	4.5E-08	1.2E-06	5.0E-08				4.5E-08	
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08			8.7E-05	8.9E-08	1.3E-06	9.9E-08				1.8E-07	

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A
SAMPLE ID	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	6	8	6
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	6	8	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254		9.5E-09			9.0E-09	9.5E-09	9.5E-09	9.5E-09		9.0E-09	9.5E-09	9.5E-09
AROCLOR-1260		1.4E-07			9.0E-09	9.5E-09	9.5E-09	9.5E-09		9.0E-09	1.8E-07	9.5E-09
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.5E-07			1.8E-08	1.9E-08	1.9E-08	1.9E-08		1.8E-08	1.9E-07	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254		4.7E-08			4.5E-08	4.7E-08	4.7E-08	4.7E-08		4.5E-08	4.7E-08	4.7E-08
AROCLOR-1260		6.9E-07			4.5E-08	4.7E-08	4.7E-08	4.7E-08		4.5E-08	8.9E-07	4.7E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		7.4E-07			8.9E-08	9.4E-08	9.4E-08	9.4E-08		8.9E-08	9.4E-07	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-561A	SB-562	SB-562	SB-562	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566
SAMPLE ID	SB-561A-8	SB-562-4	SB-562-6	SB-562-8	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8
SAMPLE DATE	20081111	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09				1.0E-08			9.5E-09	9.5E-09	4.7E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09				1.0E-08			9.5E-09	9.5E-09	7.0E-07	1.0E-08	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08				2.0E-08			1.9E-08	1.9E-08	7.4E-07	2.0E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08				5.0E-08			4.7E-08	4.7E-08	2.4E-07	5.0E-08	5.0E-08
AROCLOR-1260	4.7E-08				5.0E-08			4.7E-08	4.7E-08	3.5E-06	5.0E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08				9.9E-08			9.4E-08	9.4E-08	3.7E-06	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-567	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID	SB-567-4	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE	20081023	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH	4	4	4	4	6	8	10	6	8	4	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09	9.5E-09	9.5E-09	9.5E-09			1.0E-08	9.5E-09	9.5E-09	1.9E-07	1.0E-08	9.5E-09
AROCLOR-1260	9.5E-09	8.9E-08	6.6E-08	4.3E-08			1.0E-08	9.5E-09	9.5E-09	4.0E-06	3.3E-08	3.0E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	9.8E-08	7.5E-08	5.2E-08			2.0E-08	1.9E-08	1.9E-08	4.2E-06	4.3E-08	3.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08	4.7E-08	4.7E-08	4.7E-08			5.0E-08	4.7E-08	4.7E-08	9.4E-07	5.0E-08	4.7E-08
AROCLOR-1260	4.7E-08	4.4E-07	3.3E-07	2.1E-07			5.0E-08	4.7E-08	4.7E-08	2.0E-05	1.6E-07	1.5E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	4.9E-07	3.7E-07	2.6E-07			9.9E-08	9.4E-08	9.4E-08	2.1E-05	2.1E-07	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	4
BOTTOM DEPTH	4	6	8	10	6	8	4
INDUSTRIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,3-DICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
NAPHTHALENE							
AROCLOR-1254	1.8E-08			9.0E-09	9.5E-09	9.5E-09	9.0E-09
AROCLOR-1260	3.9E-07			3.4E-08	9.5E-09	9.5E-09	9.0E-09
ARSENIC							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	4.1E-07			4.3E-08	1.9E-08	1.9E-08	1.8E-08
RESIDENTIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,3-DICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
NAPHTHALENE							
AROCLOR-1254	8.9E-08			4.5E-08	4.7E-08	4.7E-08	4.5E-08
AROCLOR-1260	1.9E-06			1.7E-07	4.7E-08	4.7E-08	4.5E-08
ARSENIC							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	2.0E-06			2.1E-07	9.4E-08	9.4E-08	8.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819	SB-820	SB-820
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AV	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.3E-04	7.7E-04	7.0E-04	7.7E-04	6.3E-04	7.0E-04	6.3E-04	6.1E-04	5.9E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	7.7E-04	7.0E-04	7.7E-04	6.3E-04	7.0E-04	6.3E-04	6.1E-04	5.9E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.0E-03	9.8E-03	8.9E-03	9.8E-03	8.0E-03	8.9E-03	8.0E-03	7.8E-03	7.6E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	9.8E-03	8.9E-03	9.8E-03	8.0E-03	8.9E-03	8.0E-03	7.8E-03	7.6E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	SB-821-09-AV	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	SB-822-05-AV	E-SB-822-05-D
SAMPLE DATE	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.6E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.7E-04	7.5E-04	7.3E-04	7.0E-04	7.3E-04	7.3E-04	7.3E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.7E-04	7.5E-04	7.3E-04	7.0E-04	7.3E-04	7.3E-04	7.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.5E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	9.8E-03	9.6E-03	9.3E-03	8.9E-03	9.3E-03	9.3E-03	9.3E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	9.8E-03	9.6E-03	9.3E-03	8.9E-03	9.3E-03	9.3E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824	SB-825	SB-825
SAMPLE ID	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AV	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
BOTTOM DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.3E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	9.3E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828
SAMPLE ID	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	SB-826-09-AV	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
BOTTOM DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	1.4E-02	7.0E-01	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	1.4E-02	7.0E-01	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	1.7E-01	8.9E+00	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	1.7E-01	8.9E+00	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-828	SB-829	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE	20100916	20100917	20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	8.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.3E-04	7.0E-04	7.0E-04	8.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	1.0E-02	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.3E-03	8.9E-03	8.9E-03	1.0E-02	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A	SB-833B	SB-833B
SAMPLE ID	E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10	E-SB-833B-04	E-SB-833B-06
SAMPLE DATE	20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
BOTTOM DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE								1.3E+00	1.1E-02	8.6E-02	8.6E-08	1.3E-06
1,2,4-TRICHLOROBENZENE								2.7E+01	4.0E-01	2.4E+00	9.8E-07	3.4E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								3.9E-03	5.0E-04	8.3E-04	7.1E-09	8.4E-09
BAP EQUIVALENT-HALFND												
NAPHTHALENE								6.9E-03	3.9E-04	5.8E-04	3.9E-05	5.4E-05
AROCLOR-1254	7.0E-04	7.0E-04	8.4E-04	7.7E-04	7.0E-04	7.0E-04	7.0E-04	3.8E+01	7.3E+00	7.3E+00	7.0E-04	7.3E-04
AROCLOR-1260												
ARSENIC								1.4E-03				
COBALT								9.8E-03				
IRON								8.6E-03				
LEAD												
MANGANESE								1.2E-03				
MERCURY								4.7E-05				
VANADIUM								3.3E-04				
HEXAVALENT CHROMIUM								1.6E-04				
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	8.4E-04	7.7E-04	7.0E-04	7.0E-04	7.0E-04	6.7E+01	7.7E+00	9.8E+00	7.4E-04	8.2E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE								3.5E+01	2.9E-01	2.2E+00	2.2E-06	3.5E-05
1,2,4-TRICHLOROBENZENE								1.2E+02	1.8E+00	1.1E+01	4.5E-06	1.6E-04
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								3.7E-02	4.8E-03	7.9E-03	6.8E-08	8.0E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE								3.2E-02	1.8E-03	2.7E-03	1.8E-04	2.5E-04
AROCLOR-1254	8.9E-03	8.9E-03	1.1E-02	9.8E-03	8.9E-03	8.9E-03	8.9E-03	4.9E+02	9.3E+01	9.3E+01	8.9E-03	9.3E-03
AROCLOR-1260												
ARSENIC								2.8E-02				
COBALT								2.3E-01				
IRON								2.0E-01				
LEAD												
MANGANESE								1.2E-02				
MERCURY								6.0E-04				
VANADIUM								7.9E-03				
HEXAVALENT CHROMIUM								1.4E-03				
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	1.1E-02	9.8E-03	8.9E-03	8.9E-03	8.9E-03	6.5E+02	9.6E+01	1.1E+02	9.1E-03	9.8E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E
SAMPLE ID	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.3E-06	1.0E-07	1.0E-07	1.0E-07	1.1E-07	8.9E-08	9.5E-08	3.7E-07	4.0E-05	3.4E-06	3.2E-02	5.6E-04
1,2,4-TRICHLOROBENZENE	3.1E-05	2.0E-06	9.4E-07	1.3E-06	1.1E-06	6.9E-07	8.1E-07	3.8E-06	3.1E-04	7.4E-05	7.4E-01	1.3E-02
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	7.7E-09	8.9E-09	8.4E-09	8.4E-09	9.2E-09	7.6E-09	8.2E-09	9.3E-09	4.2E-07	2.4E-07	8.0E-05	4.2E-06
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.5E-04	8.2E-05	2.9E-04	2.4E-06	2.5E-06	2.6E-06	2.5E-06	2.6E-06	7.8E-05	2.4E-05	4.8E-05	2.4E-06
AROCLOR-1254	7.0E-04	3.5E-03	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.7E-04	7.0E-04	7.7E-04	3.4E-01	7.0E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E-04	3.6E-03	9.9E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.7E-04	1.1E-03	8.7E-04	1.1E+00	8.4E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	3.4E-05	2.7E-06	2.6E-06	2.6E-06	2.9E-06	2.3E-06	2.5E-06	9.6E-06	1.0E-03	8.8E-05	8.3E-01	1.5E-02
1,2,4-TRICHLOROBENZENE	1.4E-04	9.1E-06	4.3E-06	6.1E-06	5.1E-06	3.2E-06	3.7E-06	1.8E-05	1.4E-03	3.4E-04	3.4E+00	6.1E-02
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	7.3E-08	8.4E-08	8.0E-08	8.0E-08	8.7E-08	7.2E-08	7.7E-08	8.9E-08	3.9E-06	2.3E-06	7.6E-04	3.9E-05
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.2E-03	3.8E-04	1.3E-03	1.1E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	3.6E-04	1.1E-04	2.3E-04	1.1E-05
AROCLOR-1254	8.9E-03	4.4E-02	8.9E-03	8.9E-03	8.9E-03	9.3E-03	9.3E-03	9.8E-03	8.9E-03	9.8E-03	4.4E+00	8.9E-01
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.0E-02	4.5E-02	1.0E-02	8.9E-03	8.9E-03	9.4E-03	9.4E-03	9.8E-03	1.2E-02	1.0E-02	8.6E+00	9.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I
SAMPLE ID	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
BOTTOM DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-04	2.3E-04	2.0E-04	9.2E-05	1.2E-06	2.5E-06	9.8E-08	3.6E-06	1.1E-04	1.2E-05	1.3E-02	6.7E-03
1,2,4-TRICHLOROBENZENE	4.3E-03	5.1E-03	4.3E-03	2.0E-03	2.1E-05	6.0E-05	9.5E-07	1.1E-04	2.7E-03	2.7E-04	3.1E-01	1.9E-01
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.6E-06	3.3E-06	2.8E-06	1.7E-06	4.7E-08	1.1E-06	5.3E-07	8.9E-07	4.2E-06	2.9E-07	8.6E-05	6.8E-05
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-06	2.1E-05	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.4E-06	2.9E-05	2.4E-06	2.5E-06	2.5E-05	2.4E-05
AROCLOR-1254	7.0E-04	7.3E-03	7.3E-04	7.3E-03	7.7E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-01	7.0E-01
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.2E-03	1.3E-02	5.2E-03	9.5E-03	7.9E-04	8.0E-04	7.0E-04	8.4E-04	3.6E-03	1.0E-03	1.1E+00	8.9E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.4E-03	6.1E-03	5.1E-03	2.4E-03	3.2E-05	6.6E-05	2.6E-06	9.4E-05	2.9E-03	3.0E-04	3.4E-01	1.8E-01
1,2,4-TRICHLOROBENZENE	1.9E-02	2.3E-02	1.9E-02	9.3E-03	9.7E-05	2.7E-04	4.3E-06	4.9E-04	1.3E-02	1.2E-03	1.4E+00	8.6E-01
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.5E-05	3.1E-05	2.6E-05	1.6E-05	4.5E-07	1.1E-05	5.1E-06	8.4E-06	3.9E-05	2.8E-06	8.2E-04	6.5E-04
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-05	1.0E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-04	1.1E-05	1.2E-05	1.2E-04	1.1E-04
AROCLOR-1254	8.9E-03	9.3E-02	9.3E-03	9.3E-02	9.8E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	9.3E+00	8.9E+00
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.4E-02	1.2E-01	3.4E-02	1.1E-01	9.9E-03	9.7E-03	8.9E-03	9.6E-03	2.4E-02	1.1E-02	1.1E+01	9.9E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M
SAMPLE ID	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.1E-07	9.5E-08	9.5E-08	5.4E-05	1.3E-02	2.3E-04	3.5E-03	2.6E-04	1.4E-04	4.7E-02	1.1E-07	3.3E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	6.5E-07	1.5E-03	3.4E-01	4.8E-03	7.9E-02	5.4E-03	2.8E-03	1.2E+00	1.4E-06	7.1E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.0E-09	8.0E-09	8.2E-09	5.9E-07	4.4E-05	2.9E-06	7.4E-06	2.0E-06	8.0E-07	1.3E-04	9.2E-09	7.6E-09
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-06	2.5E-06	2.4E-06	2.6E-06	2.4E-05	2.4E-06	2.4E-05	2.4E-06	2.5E-06	2.4E-05	2.5E-06	2.4E-06
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	7.3E-04	3.5E+00	1.4E-01	7.0E-01	7.0E-04	1.4E-02	3.4E+00	1.4E-03	3.4E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	2.3E-03	3.8E+00	1.4E-01	7.8E-01	6.3E-03	1.7E-02	4.7E+00	1.4E-03	3.5E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	2.8E-06	2.5E-06	2.5E-06	1.4E-03	3.5E-01	5.9E-03	9.3E-02	6.7E-03	3.7E-03	1.2E+00	2.9E-06	8.6E-05
1,2,4-TRICHLOROBENZENE	7.1E-06	7.1E-06	3.0E-06	6.7E-03	1.6E+00	2.2E-02	3.6E-01	2.5E-02	1.3E-02	5.3E+00	6.4E-06	3.2E-04
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.6E-08	7.6E-08	7.7E-08	5.6E-06	4.2E-04	2.8E-05	7.0E-05	1.9E-05	7.6E-06	1.2E-03	8.7E-08	7.2E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-04	1.1E-05	1.1E-04	1.1E-05	1.2E-05	1.1E-04	1.2E-05	1.1E-05
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	9.3E-03	4.4E+01	1.8E+00	8.9E+00	8.9E-03	1.8E-01	4.4E+01	1.8E-02	4.4E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	1.8E-02	4.6E+01	1.8E+00	9.4E+00	4.0E-02	2.0E-01	5.1E+01	1.8E-02	4.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N	SB-001	SB-001	SB-002	SB-002	SB-003
SAMPLE ID	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05
SAMPLE DATE	20101013	20101013	20101014	20101014	20101014	20101014	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	5	10	5	10	5
BOTTOM DEPTH	8	10	4	6	8	10	5	10	5	10	5
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE	1.1E-07	1.0E-07	9.8E-08	1.1E-07	1.1E-07	4.3E-07	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
1,2,4-TRICHLOROBENZENE	9.6E-07	9.6E-07	3.3E-07	3.5E-07	7.2E-07	1.7E-05	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	9.2E-09	8.4E-09	8.3E-09	9.2E-09	9.3E-09	9.0E-09	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.5E-06	2.5E-06	2.5E-05	2.6E-05	2.5E-05	1.0E-05	3.0E-04	2.8E-04	2.8E-04	2.8E-04	2.8E-04
AROCLOR-1254	1.4E-03	7.0E-04	7.3E-04	7.3E-04	3.5E-03	3.5E-03	2.5E-03	2.3E-03	2.3E-03	2.3E-03	2.3E-03
AROCLOR-1260											
ARSENIC							1.3E-02	4.1E-03	4.8E-03	2.0E-03	3.4E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY							3.3E-04	3.1E-04	3.1E-04	3.1E-04	3.1E-04
VANADIUM											
HEXAVALENT CHROMIUM							1.3E-03	3.3E-04	8.7E-05	8.5E-05	1.7E-04
TOTAL HAZARD INDEX	1.4E-03	7.0E-04	7.6E-04	7.6E-04	3.5E-03	3.5E-03	1.7E-02	7.4E-03	7.8E-03	5.0E-03	6.4E-03
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE	2.9E-06	2.6E-06	2.6E-06	2.8E-06	2.9E-06	1.1E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05
1,2,4-TRICHLOROBENZENE	4.4E-06	4.4E-06	1.5E-06	1.6E-06	3.3E-06	7.7E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.7E-08	8.0E-08	7.9E-08	8.7E-08	8.9E-08	8.6E-08	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.2E-05	1.2E-05	1.2E-04	1.2E-04	1.2E-04	4.7E-05	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03
AROCLOR-1254	1.8E-02	8.9E-03	9.3E-03	9.3E-03	4.4E-02	4.4E-02	3.2E-02	3.0E-02	3.0E-02	2.9E-02	2.9E-02
AROCLOR-1260											
ARSENIC							2.5E-01	8.3E-02	9.7E-02	4.0E-02	6.9E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY							4.2E-03	3.9E-03	3.9E-03	3.9E-03	3.9E-03
VANADIUM											
HEXAVALENT CHROMIUM							1.2E-02	2.9E-03	7.7E-04	7.5E-04	1.5E-03
TOTAL HAZARD INDEX	1.8E-02	8.9E-03	9.5E-03	9.5E-03	4.5E-02	4.5E-02	3.0E-01	1.2E-01	1.3E-01	7.6E-02	1.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-003	SB-004	SB-004	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503
SAMPLE ID	SB-3-10	SB-4-05	SB-4-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406
SAMPLE DATE	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	4	5	4	8	4	8	4	8	4
BOTTOM DEPTH	10	5	10	4	5	6	10	6	10	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-06	2.1E-06	2.1E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.3E-03	8.6E-03	1.3E-05	4.3E-04	1.9E-06
1,2,4-TRICHLOROBENZENE	9.9E-06	9.9E-06	9.9E-06	8.5E-06	8.5E-06	7.9E-06	8.5E-06	1.4E-02	2.0E-01	2.0E-04	1.0E-02	8.6E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.0E-07	1.0E-07	1.0E-07	8.9E-08	8.9E-08	8.3E-08	8.9E-08	5.0E-07	1.9E-05	8.6E-08	4.3E-06	9.0E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.8E-04	2.9E-04	2.8E-04	2.4E-04	2.5E-04	2.3E-04	2.5E-04	2.3E-04	2.4E-04	2.4E-04	2.4E-03	2.5E-04
AROCLOR-1254	2.3E-03	2.4E-03	2.4E-03	9.8E-03	1.0E-02	1.3E-03	1.4E-03	2.6E-02	1.4E-01	2.7E-01	6.6E-01	7.0E-03
AROCLOR-1260												
ARSENIC	3.7E-03	1.1E-02	5.5E-03	3.7E-03	3.0E-03	7.1E-04	1.7E-03	2.5E-03	2.1E-03	3.0E-03	1.3E-03	9.6E-04
COBALT						2.2E-03	3.2E-03	3.2E-03	7.6E-03	2.0E-03	1.2E-03	3.3E-04
IRON						7.8E-03	8.6E-03	6.1E-03	2.0E-02	4.4E-03	3.2E-03	1.6E-03
LEAD												
MANGANESE						1.7E-03	1.7E-03	2.6E-03	6.3E-03	3.9E-03	3.5E-03	3.1E-04
MERCURY	3.1E-04	3.3E-04	3.3E-04	2.4E-04	2.6E-04	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05
VANADIUM						1.2E-03	1.9E-03	7.9E-04	2.3E-03	8.0E-04	4.4E-04	5.9E-04
HEXAVALENT CHROMIUM	1.3E-04	1.4E-03	3.6E-04	5.1E-04	2.9E-04	3.8E-04	5.5E-04	3.1E-04	8.0E-04	3.0E-04	1.7E-04	1.6E-04
TOTAL HAZARD INDEX	6.7E-03	1.6E-02	8.8E-03	1.4E-02	1.4E-02	1.6E-02	1.9E-02	5.6E-02	3.8E-01	2.8E-01	6.9E-01	1.1E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.6E-05	5.6E-05	5.6E-05	4.8E-05	4.8E-05	4.5E-05	4.8E-05	3.4E-02	2.2E-01	3.4E-04	1.1E-02	4.9E-05
1,2,4-TRICHLOROBENZENE	4.5E-05	4.5E-05	4.5E-05	3.9E-05	3.9E-05	3.6E-05	3.9E-05	6.2E-02	9.0E-01	9.2E-04	4.8E-02	4.0E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-07	9.9E-07	9.9E-07	8.4E-07	8.4E-07	7.9E-07	8.4E-07	4.8E-06	1.8E-04	8.2E-07	4.1E-05	8.6E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.3E-03	1.3E-03	1.3E-03	1.1E-03	1.2E-03	1.1E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-02	1.2E-03
AROCLOR-1254	2.9E-02	3.1E-02	3.0E-02	1.2E-01	1.3E-01	1.6E-02	1.8E-02	3.3E-01	1.7E+00	3.4E+00	8.5E+00	8.9E-02
AROCLOR-1260												
ARSENIC	7.4E-02	2.3E-01	1.1E-01	7.4E-02	6.0E-02	1.4E-02	3.4E-02	5.1E-02	4.3E-02	6.0E-02	2.5E-02	1.9E-02
COBALT						5.3E-02	7.5E-02	7.5E-02	1.8E-01	4.8E-02	2.9E-02	7.9E-03
IRON						1.9E-01	2.0E-01	1.4E-01	4.8E-01	1.0E-01	7.6E-02	3.7E-02
LEAD												
MANGANESE						1.8E-02	1.7E-02	2.6E-02	6.4E-02	4.0E-02	3.6E-02	3.2E-03
MERCURY	3.9E-03	4.2E-03	4.2E-03	3.0E-03	3.3E-03	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04
VANADIUM						2.8E-02	4.5E-02	1.9E-02	5.4E-02	1.9E-02	1.1E-02	1.4E-02
HEXAVALENT CHROMIUM	1.2E-03	1.2E-02	3.2E-03	4.5E-03	2.5E-03	3.3E-03	4.9E-03	2.7E-03	7.1E-03	2.7E-03	1.5E-03	1.4E-03
TOTAL HAZARD INDEX	1.1E-01	2.7E-01	1.5E-01	2.1E-01	2.0E-01	3.2E-01	4.0E-01	7.4E-01	3.7E+00	3.7E+00	8.7E+00	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508	SB-508	SB-508
SAMPLE ID	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AV	SB-508-0406-D	SB-508-0810
SAMPLE DATE	20071127	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	8	4	4	4	8
BOTTOM DEPTH	6	10	6	10	6	10	6	10	6	6	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.7E-06	1.8E-06	1.8E-06	1.9E-06	1.8E-06	2.0E-06	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE	1.3E-06	8.9E-07	8.2E-06	6.4E-07	8.2E-06	9.1E-06	8.8E-06	8.2E-06	8.2E-06	8.3E-06	8.4E-06	8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.4E-08	8.6E-08	8.6E-08	9.3E-08	8.6E-08	9.5E-08	9.2E-08	8.6E-08	8.6E-08	8.7E-08	8.7E-08	8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.1E-04	2.8E-05	2.4E-04	2.6E-04	2.4E-04	2.6E-04	2.6E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.5E-04
AROCLOR-1254	6.6E-02	1.3E-02	1.3E-03	7.3E-03	1.3E-03	1.5E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	4.6E-03	2.7E-03	2.7E-03	3.9E-03	3.7E-03	2.3E-03	5.2E-03	2.5E-03	3.2E-03	2.7E-03	2.3E-03	9.6E-04
COBALT	1.6E-02	8.4E-03	1.2E-02	8.5E-03	6.1E-03	4.5E-03	6.1E-03	2.2E-03	4.3E-03	3.7E-03	3.2E-03	6.5E-03
IRON	1.2E-02	1.5E-02	1.4E-02	1.3E-02	7.0E-03	4.9E-03	1.1E-02	3.0E-03	1.4E-02	1.2E-02	9.0E-03	6.8E-03
LEAD												
MANGANESE	7.9E-03	1.5E-02	3.1E-03	2.8E-03	3.7E-03	2.6E-03	4.0E-03	7.2E-04	1.3E-03	6.5E-03	1.2E-02	1.7E-03
MERCURY	3.7E-04	1.4E-03	4.5E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05	4.5E-05	4.5E-05	4.6E-05	4.7E-05	4.7E-05
VANADIUM	2.0E-03	2.2E-03	2.1E-03	1.8E-03	1.8E-03	8.4E-04	1.9E-03	1.6E-03	2.2E-03	1.8E-03	1.5E-03	1.5E-03
HEXAVALENT CHROMIUM	6.6E-04	6.8E-04	5.2E-04	6.6E-04	4.5E-04	2.3E-04	5.7E-04	3.8E-04	4.7E-04	4.0E-04	3.4E-04	6.8E-04
TOTAL HAZARD INDEX	1.1E-01	5.9E-02	3.6E-02	3.9E-02	2.4E-02	1.7E-02	3.0E-02	1.2E-02	2.7E-02	2.8E-02	3.0E-02	2.0E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.6E-05	4.6E-05	4.6E-05	5.0E-05	4.6E-05	5.1E-05	5.0E-05	4.6E-05	4.6E-05	4.7E-05	4.7E-05	4.8E-05
1,2,4-TRICHLOROBENZENE	6.2E-06	4.1E-06	3.8E-05	2.9E-06	3.8E-05	4.2E-05	4.0E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.0E-07	8.2E-07	8.2E-07	8.9E-07	8.2E-07	9.0E-07	8.7E-07	8.2E-07	8.2E-07	8.2E-07	8.3E-07	8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.9E-03	1.3E-04	1.1E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03
AROCLOR-1254	8.5E-01	1.7E-01	1.7E-02	9.3E-02	1.7E-02	1.9E-02	1.8E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02
AROCLOR-1260												
ARSENIC	9.2E-02	5.5E-02	5.5E-02	7.9E-02	7.4E-02	4.6E-02	1.1E-01	5.1E-02	6.5E-02	5.5E-02	4.6E-02	1.9E-02
COBALT	3.8E-01	2.0E-01	2.8E-01	2.0E-01	1.4E-01	1.1E-01	1.4E-01	5.3E-02	1.0E-01	8.8E-02	7.5E-02	1.5E-01
IRON	2.9E-01	3.5E-01	3.3E-01	3.2E-01	1.7E-01	1.2E-01	2.6E-01	7.1E-02	3.3E-01	2.7E-01	2.1E-01	1.6E-01
LEAD												
MANGANESE	8.1E-02	1.5E-01	3.1E-02	2.9E-02	3.8E-02	2.7E-02	4.1E-02	7.4E-03	1.3E-02	6.7E-02	1.2E-01	1.7E-02
MERCURY	4.7E-03	1.7E-02	5.7E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04	5.7E-04	5.7E-04	5.8E-04	6.0E-04	6.0E-04
VANADIUM	4.8E-02	5.3E-02	4.9E-02	4.2E-02	4.2E-02	2.0E-02	4.6E-02	3.8E-02	5.2E-02	4.4E-02	3.5E-02	3.5E-02
HEXAVALENT CHROMIUM	5.8E-03	6.0E-03	4.6E-03	5.8E-03	3.9E-03	2.0E-03	5.0E-03	3.4E-03	4.1E-03	3.6E-03	3.0E-03	6.0E-03
TOTAL HAZARD INDEX	1.7E+00	1.0E+00	7.7E-01	7.7E-01	4.9E-01	3.4E-01	6.2E-01	2.4E-01	5.9E-01	5.5E-01	5.1E-01	4.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836
SAMPLE ID	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07
SAMPLE DATE	20071129	20071129	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	6	10	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.8E-06	1.7E-06										
1,2,4-TRICHLOROBENZENE	8.2E-06	8.1E-06										
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.6E-08	8.4E-08										
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-04	2.4E-04										
AROCLOR-1254	1.3E-03	1.3E-03	8.0E-04	7.0E-04	7.7E-04	6.6E-04	7.3E-04	7.3E-04	7.0E-03	8.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ARSENIC	3.9E-03	5.7E-03										
COBALT	4.3E-03	4.3E-03										
IRON	8.1E-03	8.1E-03										
LEAD												
MANGANESE	2.4E-03	2.3E-03										
MERCURY	4.5E-05	4.5E-05										
VANADIUM	1.6E-03	1.2E-03										
HEXAVALENT CHROMIUM	5.1E-04	4.3E-04										
TOTAL HAZARD INDEX	2.2E-02	2.4E-02	8.0E-04	7.0E-04	7.7E-04	6.6E-04	7.3E-04	7.3E-04	7.0E-03	8.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.6E-05	4.6E-05										
1,2,4-TRICHLOROBENZENE	3.8E-05	3.7E-05										
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.2E-07	8.0E-07										
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-03	1.1E-03										
AROCLOR-1254	1.7E-02	1.7E-02	1.0E-02	8.9E-03	9.8E-03	8.5E-03	9.3E-03	9.3E-03	8.9E-02	1.0E-02	8.9E-03	8.9E-03
AROCLOR-1260												
ARSENIC	7.9E-02	1.2E-01										
COBALT	1.0E-01	1.0E-01										
IRON	1.9E-01	1.9E-01										
LEAD												
MANGANESE	2.5E-02	2.4E-02										
MERCURY	5.7E-04	5.7E-04										
VANADIUM	3.8E-02	2.8E-02										
HEXAVALENT CHROMIUM	4.5E-03	3.8E-03										
TOTAL HAZARD INDEX	4.6E-01	4.8E-01	1.0E-02	8.9E-03	9.8E-03	8.5E-03	9.3E-03	9.3E-03	8.9E-02	1.0E-02	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-836	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.7E-04	6.3E-04	6.6E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.7E-04	6.3E-04	6.6E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.8E-03	8.0E-03	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E-03	8.0E-03	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-839	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841	SB-842
SAMPLE ID	E-SB-839-09	E-SB-840-03	E-SB-840-05	SB-840-05-AV	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09	E-SB-842-3
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	5	5	7	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	5	5	7	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	6.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.0E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.0E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844	SB-844	SB-844	SB-845
SAMPLE ID	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03
SAMPLE DATE	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	8.0E-04	7.7E-04	7.3E-04	3.8E-03	3.1E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	8.0E-04	7.7E-04	7.3E-04	3.8E-03	3.1E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	1.0E-02	9.8E-03	9.3E-03	4.9E-02	3.9E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	1.0E-02	9.8E-03	9.3E-03	4.9E-02	3.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-005
SAMPLE ID	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09	SB-5-05
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												1.8E-06
1,2,4-TRICHLOROBENZENE												8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE												2.6E-04
AROCLOR-1254	6.3E-04	7.0E-04	3.3E-03	7.0E-04	6.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	2.2E-03
AROCLOR-1260												
ARSENIC												3.2E-03
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												3.1E-04
VANADIUM												
HEXAVALENT CHROMIUM												1.2E-04
TOTAL HAZARD INDEX	6.3E-04	7.0E-04	3.3E-03	7.0E-04	6.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.1E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												4.8E-05
1,2,4-TRICHLOROBENZENE												3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE												1.2E-03
AROCLOR-1254	8.0E-03	8.9E-03	4.2E-02	8.9E-03	8.0E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	2.8E-02
AROCLOR-1260												
ARSENIC												6.5E-02
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												3.9E-03
VANADIUM												
HEXAVALENT CHROMIUM												1.1E-03
TOTAL HAZARD INDEX	8.0E-03	8.9E-03	4.2E-02	8.9E-03	8.0E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-006	SB-510	SB-510	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512
SAMPLE ID	SB-5-10	SB-6-05	SB-6-10	SB-510-0406	SB-510-0810	B-510-0810-AV	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	B-512-0810-AV
SAMPLE DATE	20031120	20031120	20031120	20071128	20071128	20071128	20071128	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH	10	5	10	6	10	10	10	6	10	6	10	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-06	2.1E-06	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	1.7E-06	1.9E-06	1.9E-06
1,2,4-TRICHLOROBENZENE	9.9E-06	9.9E-06	9.9E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.4E-06	8.9E-06	8.1E-06	8.9E-06	8.9E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.0E-07	1.0E-07	1.0E-07	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.7E-08	9.3E-08	8.4E-08	9.3E-08	9.3E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.8E-04	2.7E-04	2.8E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.6E-04	2.4E-04	2.6E-04	8.2E-05
AROCLOR-1254	2.4E-03	2.3E-03	2.3E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	2.5E-03	1.8E-03	4.6E-03	5.9E-04	8.2E-04	7.1E-04	5.9E-04	1.3E-03	8.0E-04	1.3E-03	1.7E-03	2.5E-03
COBALT				2.2E-03	3.5E-03	3.6E-03	3.7E-03	1.5E-03	1.9E-03	5.6E-03	4.1E-03	4.0E-03
IRON				1.2E-02	1.7E-02	1.5E-02	1.4E-02	1.0E-03	2.6E-03	1.2E-02	7.8E-03	7.5E-03
LEAD												
MANGANESE				2.4E-03	6.6E-03	4.3E-03	2.0E-03	2.0E-04	4.3E-04	3.0E-03	6.1E-03	9.5E-03
MERCURY	3.3E-04	2.8E-04	3.1E-04	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
VANADIUM				1.4E-03	1.8E-03	1.8E-03	1.9E-03	2.4E-04	8.3E-04	1.4E-03	1.4E-03	1.5E-03
HEXAVALENT CHROMIUM	9.7E-05	2.4E-04	1.1E-03	4.4E-04	6.0E-04	5.6E-04	5.2E-04	7.7E-05	2.0E-04	4.4E-04	4.6E-04	4.6E-04
TOTAL HAZARD INDEX	5.6E-03	4.8E-03	8.6E-03	2.1E-02	3.1E-02	2.8E-02	2.4E-02	6.0E-03	8.4E-03	2.5E-02	2.3E-02	2.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.6E-05	5.6E-05	5.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.7E-05	5.0E-05	4.6E-05	5.0E-05	5.0E-05
1,2,4-TRICHLOROBENZENE	4.5E-05	4.5E-05	4.5E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	4.1E-05	3.7E-05	4.1E-05	4.1E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-07	9.9E-07	9.9E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.3E-07	8.9E-07	8.0E-07	8.9E-07	8.9E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.3E-03	1.3E-03	1.3E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03	1.1E-03	1.2E-03	3.8E-04
AROCLOR-1254	3.0E-02	2.9E-02	2.9E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.8E-02	1.8E-02
AROCLOR-1260												
ARSENIC	5.1E-02	3.6E-02	9.2E-02	1.2E-02	1.7E-02	1.4E-02	1.2E-02	2.7E-02	1.6E-02	2.7E-02	3.5E-02	5.0E-02
COBALT				5.3E-02	8.3E-02	8.6E-02	8.8E-02	3.6E-02	4.4E-02	1.3E-01	9.6E-02	9.4E-02
IRON				2.9E-01	3.9E-01	3.6E-01	3.3E-01	2.4E-02	6.1E-02	2.9E-01	1.8E-01	1.8E-01
LEAD												
MANGANESE				2.5E-02	6.7E-02	4.4E-02	2.1E-02	2.0E-03	4.4E-03	3.1E-02	6.2E-02	9.8E-02
MERCURY	4.2E-03	3.6E-03	3.9E-03	5.7E-04	5.7E-04	5.7E-04	5.7E-04	6.0E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04
VANADIUM				3.4E-02	4.2E-02	4.3E-02	4.4E-02	5.8E-03	2.0E-02	3.3E-02	3.3E-02	3.6E-02
HEXAVALENT CHROMIUM	8.6E-04	2.1E-03	9.9E-03	3.8E-03	5.3E-03	4.9E-03	4.6E-03	6.8E-04	1.8E-03	3.8E-03	4.0E-03	4.1E-03
TOTAL HAZARD INDEX	8.8E-02	7.2E-02	1.4E-01	4.3E-01	6.2E-01	5.7E-01	5.2E-01	1.1E-01	1.7E-01	5.3E-01	4.3E-01	4.8E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517	SB-518
SAMPLE ID	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	B-514-0810-AV	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	8	8	4	8	4	8	4
BOTTOM DEPTH	10	6	10	6	10	10	10	6	10	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
1,2,4-TRICHLOROBENZENE	8.9E-06	8.4E-06	8.2E-06	8.5E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	8.8E-06	8.6E-06	8.6E-06	8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.3E-08	8.7E-08	8.6E-08	8.9E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	9.2E-08	9.0E-08	9.0E-08	8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	8.2E-05	2.4E-04	2.4E-04	2.5E-04	2.4E-04	2.4E-04	2.4E-04	2.5E-04	2.6E-04	2.5E-04	2.5E-04	2.5E-04
AROCLOR-1254	1.5E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	3.2E-03	5.2E-03	1.0E-03	8.9E-04	3.0E-03	2.0E-03	9.6E-04	1.4E-03	5.0E-04	1.3E-03	1.7E-03	5.0E-03
COBALT	3.9E-03	7.4E-03	1.8E-03	1.7E-02	1.6E-02	1.4E-02	1.2E-02	8.0E-03	1.2E-02	9.1E-03	8.5E-03	6.9E-03
IRON	7.3E-03	6.8E-03	1.8E-03	3.2E-02	4.1E-02	3.3E-02	2.6E-02	2.3E-02	1.8E-02	2.3E-02	1.5E-02	1.9E-02
LEAD												
MANGANESE	1.3E-02	4.2E-03	7.8E-04	2.5E-02	2.0E-02	1.8E-02	1.7E-02	9.4E-03	2.5E-02	8.3E-03	4.7E-03	4.1E-03
MERCURY	4.9E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.9E-05	4.7E-05	4.7E-05	4.7E-05
VANADIUM	1.6E-03	1.4E-03	3.3E-04	1.7E-03	1.8E-03	1.5E-03	1.2E-03	1.5E-03	1.3E-03	1.4E-03	1.7E-03	2.3E-03
HEXAVALENT CHROMIUM	4.7E-04	4.0E-04	1.2E-04	6.0E-04	5.7E-04	5.6E-04	5.5E-04	4.7E-04	5.4E-04	3.9E-04	5.8E-04	6.8E-04
TOTAL HAZARD INDEX	3.1E-02	2.7E-02	7.6E-03	7.8E-02	8.4E-02	7.2E-02	5.9E-02	4.5E-02	5.8E-02	4.5E-02	3.3E-02	3.9E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.0E-05	4.7E-05	4.6E-05	4.8E-05	4.7E-05	4.7E-05	4.7E-05	4.9E-05	5.0E-05	4.9E-05	4.9E-05	4.8E-05
1,2,4-TRICHLOROBENZENE	4.1E-05	3.8E-05	3.8E-05	3.9E-05	3.8E-05	3.8E-05	3.8E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.9E-07	8.3E-07	8.2E-07	8.4E-07	8.3E-07	8.3E-07	8.3E-07	8.6E-07	8.7E-07	8.6E-07	8.6E-07	8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.8E-04	1.1E-03	1.1E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03
AROCLOR-1254	1.9E-02	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02
AROCLOR-1260												
ARSENIC	6.5E-02	1.1E-01	2.1E-02	1.8E-02	6.0E-02	4.0E-02	1.9E-02	2.9E-02	1.0E-02	2.5E-02	3.5E-02	1.0E-01
COBALT	9.2E-02	1.8E-01	4.3E-02	4.0E-01	3.9E-01	3.4E-01	2.9E-01	1.9E-01	2.7E-01	2.1E-01	2.0E-01	1.6E-01
IRON	1.7E-01	1.6E-01	4.3E-02	7.5E-01	9.6E-01	7.9E-01	6.2E-01	5.4E-01	4.2E-01	5.4E-01	3.5E-01	4.4E-01
LEAD												
MANGANESE	1.3E-01	4.3E-02	8.0E-03	2.6E-01	2.1E-01	1.9E-01	1.7E-01	9.7E-02	2.5E-01	8.5E-02	4.8E-02	4.1E-02
MERCURY	6.3E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.3E-04	6.0E-04	6.0E-04	6.0E-04
VANADIUM	3.9E-02	3.2E-02	7.9E-03	4.0E-02	4.3E-02	3.6E-02	2.9E-02	3.5E-02	3.0E-02	3.3E-02	4.0E-02	5.5E-02
HEXAVALENT CHROMIUM	4.1E-03	3.5E-03	1.0E-03	5.3E-03	5.0E-03	4.9E-03	4.8E-03	4.1E-03	4.8E-03	3.5E-03	5.1E-03	6.0E-03
TOTAL HAZARD INDEX	5.3E-01	5.4E-01	1.4E-01	1.5E+00	1.7E+00	1.4E+00	1.2E+00	9.1E-01	1.0E+00	9.2E-01	6.9E-01	8.3E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-548	SB-548
SAMPLE ID	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-548-3	SB-548-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	3	4	3	4	4	3	4
BOTTOM DEPTH	10	6	10	6	10	4	3	4	3	4	4	3	4
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	2.0E-06	1.8E-06	1.8E-06	1.9E-06	1.8E-06								
1,2,4-TRICHLOROBENZENE	9.2E-06	8.2E-06	8.2E-06	8.6E-06	8.5E-06								
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.6E-08	8.6E-08	8.6E-08	9.0E-08	8.9E-08								
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.7E-04	2.4E-04	2.4E-04	2.5E-04	2.5E-04								
AROCLOR-1254	1.5E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260													
ARSENIC	9.8E-04	1.4E-03	2.7E-03	2.7E-03	3.0E-03								
COBALT	5.2E-03	5.2E-03	3.0E-03	9.8E-03	6.7E-03								
IRON	6.8E-03	1.4E-02	7.7E-03	1.1E-02	1.1E-02								
LEAD													
MANGANESE	2.5E-03	2.3E-03	1.9E-03	3.7E-03	2.9E-03								
MERCURY	5.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05								
VANADIUM	7.6E-04	1.3E-03	5.6E-04	1.8E-03	1.5E-03								
HEXAVALENT CHROMIUM	2.3E-04	3.9E-04	2.3E-04	4.8E-04	3.4E-04								
TOTAL HAZARD INDEX	1.8E-02	2.7E-02	1.8E-02	3.2E-02	2.7E-02	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	5.2E-05	4.6E-05	4.6E-05	4.9E-05	4.8E-05								
1,2,4-TRICHLOROBENZENE	4.2E-05	3.8E-05	3.8E-05	4.0E-05	3.9E-05								
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.1E-07	8.2E-07	8.2E-07	8.6E-07	8.4E-07								
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.3E-03	1.1E-03	1.1E-03	1.2E-03	1.2E-03								
AROCLOR-1254	1.9E-02	1.7E-02	1.7E-02	1.8E-02	1.8E-02	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260													
ARSENIC	2.0E-02	2.8E-02	5.5E-02	5.5E-02	6.0E-02								
COBALT	1.2E-01	1.2E-01	7.0E-02	2.3E-01	1.6E-01								
IRON	1.6E-01	3.4E-01	1.8E-01	2.7E-01	2.5E-01								
LEAD													
MANGANESE	2.6E-02	2.4E-02	1.9E-02	3.8E-02	2.9E-02								
MERCURY	6.6E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04								
VANADIUM	1.8E-02	3.0E-02	1.3E-02	4.4E-02	3.5E-02								
HEXAVALENT CHROMIUM	2.0E-03	3.5E-03	2.0E-03	4.2E-03	3.0E-03								
TOTAL HAZARD INDEX	3.7E-01	5.7E-01	3.6E-01	6.6E-01	5.6E-01	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-555	SB-555	SB-555	SB-555A	SB-557	SB-558	SB-559	SB-559	SB-559	SB-560
SAMPLE ID	SB-550A-3	SB-550A-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-557-4	SB-558-4	SB-559-4	SB-559-6	SB-559-8	SB-560-4
SAMPLE DATE	20081111	20081111	20081021	20081021	20081021	20081111	20081021	20081021	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	4	4	6	8	4
BOTTOM DEPTH	3	4	4	6	8	10	4	4	4	6	8	4
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	6.8E-01	6.3E-04	6.6E-04	7.0E-04	1.9E-03	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	6.8E-01	6.3E-04	6.6E-04	7.0E-04	1.9E-03	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.7E+00	8.0E-03	8.5E-03	8.9E-03	2.4E-02	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.7E+00	8.0E-03	8.5E-03	8.9E-03	2.4E-02	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-561	SB-561	SB-561A	SB-561A	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-563-4	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE	20081021	20081021	20081111	20081111	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	6	8	4	4	4	4	6	8	4	4
BOTTOM DEPTH	6	8	6	8	4	4	4	4	6	8	4	4
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.3E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	3.3E-03	7.0E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	3.3E-03	7.0E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	4.2E-02	8.9E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	4.2E-02	8.9E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569	SB-570	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-568-4-AVG	SB-568-4-D	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8	SB-570-4	SB-570A-10	SB-570A-6	SB-570A-8
SAMPLE DATE	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022	20081022	20081111	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	10	6	8	4	6	8	4	10	6	8
BOTTOM DEPTH	4	4	10	6	8	4	6	8	4	10	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	1.3E-02	7.0E-04	6.6E-04	1.3E-03	6.3E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	1.3E-02	7.0E-04	6.6E-04	1.3E-03	6.3E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	1.7E-01	8.9E-03	8.5E-03	1.6E-02	8.0E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	1.7E-01	8.9E-03	8.5E-03	1.6E-02	8.0E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-571
SAMPLE ID	SB-571-4
SAMPLE DATE	20081023
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	4
BOTTOM DEPTH	4
INDUSTRIAL	
1,2,3-TRICHLOROBENZENE	
1,2,4-TRICHLOROBENZENE	
1,3-DICHLOROBENZENE	
1,4-DICHLOROBENZENE	
BAP EQUIVALENT-HALFND	
NAPHTHALENE	
AROCLOR-1254	6.3E-04
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL HAZARD INDEX	6.3E-04
RESIDENTIAL	
1,2,3-TRICHLOROBENZENE	
1,2,4-TRICHLOROBENZENE	
1,3-DICHLOROBENZENE	
1,4-DICHLOROBENZENE	
BAP EQUIVALENT-HALFND	
NAPHTHALENE	
AROCLOR-1254	8.0E-03
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL HAZARD INDEX	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	10	12	14	16	12	14	16	11	13	15	11	13	15
BOTTOM DEPTH	12	12	14	16	12	14	16	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.5E-11												
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	1.9E-10												
BAP EQUIVALENT-HALFND	6.8E-07												
NAPHTHALENE	1.3E-10												
AROCLOR-1254	1.9E-08	4.6E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.9E-08	7.1E-07	3.8E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	6.2E-07												
CADMIUM	2.0E-12												
COBALT	7.5E-10												
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	7.9E-11												
VANADIUM													
HEXAVALENT CHROMIUM	9.6E-06												
TOTAL CANCER RISK	1.1E-05	7.5E-07	4.8E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.3E-08	2.0E-08	2.1E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.5E-10												
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	9.6E-10												
BAP EQUIVALENT-HALFND	1.5E-05												
NAPHTHALENE	6.4E-10												
AROCLOR-1254	9.7E-08	2.3E-07	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.0E-08
AROCLOR-1260	9.7E-08	3.5E-06	1.9E-07	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.0E-08
ANTIMONY													
ARSENIC	4.8E-06												
CADMIUM	3.9E-12												
COBALT	1.5E-09												
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	1.6E-10												
VANADIUM													
HEXAVALENT CHROMIUM	1.4E-04												
TOTAL CANCER RISK	1.6E-04	3.7E-06	2.4E-07	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.1E-07	9.9E-08	1.0E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825
SAMPLE ID	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11
SAMPLE DATE	20100915	20100915	20100915	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.9E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	2.3E-08	2.0E-08	2.1E-08	2.1E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08
AROCLOR-1260	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	9.4E-08	1.0E-07	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	1.1E-07	9.9E-08	1.0E-07	1.0E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829
SAMPLE ID	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-07	2.1E-08	5.0E-08	1.2E-08	1.1E-08	1.1E-08	1.0E-08
AROCLOR-1260	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.5E-05	1.8E-07	2.8E-07	6.1E-08	4.0E-08	1.1E-08	3.3E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.2E-08	2.1E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	1.5E-05	2.0E-07	3.3E-07	7.3E-08	5.1E-08	2.2E-08	4.3E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.4E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	2.7E-06	1.1E-07	2.5E-07	5.9E-08	5.4E-08	5.4E-08	5.2E-08
AROCLOR-1260	5.4E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	7.4E-05	8.9E-07	1.4E-06	3.0E-07	2.0E-07	5.4E-08	1.6E-07
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	1.0E-07	1.0E-07	9.9E-08	9.9E-08	9.9E-08	7.7E-05	1.0E-06	1.6E-06	3.6E-07	2.5E-07	1.1E-07	2.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832
SAMPLE ID	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
BOTTOM DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	3.3E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-08	2.0E-08	2.0E-08	2.0E-08	4.4E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.4E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	5.2E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.0E-08	5.0E-08	1.6E-07	5.2E-08	5.0E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	5.2E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-07	9.9E-08	9.9E-08	9.9E-08	2.2E-07	1.0E-07	9.9E-08	9.9E-08	9.9E-08	9.7E-08	9.4E-08	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-837
SAMPLE ID	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11
SAMPLE DATE	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.1E-08	1.1E-08	1.0E-06	1.1E-08	5.5E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.1E-08	3.3E-08	6.1E-05	3.2E-08	3.5E-07	2.7E-08	1.0E-08	1.9E-07	1.0E-08	1.0E-08	2.6E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.2E-08	4.4E-08	6.2E-05	4.3E-08	4.0E-07	3.8E-08	2.0E-08	2.0E-07	2.0E-08	2.0E-08	3.7E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.4E-08	5.4E-08	5.0E-06	5.4E-08	2.7E-07	5.4E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.4E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.4E-08	1.6E-07	3.0E-04	1.6E-07	1.7E-06	1.3E-07	5.0E-08	9.4E-07	5.0E-08	5.0E-08	1.3E-07	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	2.2E-07	3.1E-04	2.1E-07	2.0E-06	1.9E-07	9.9E-08	9.9E-07	9.9E-08	9.9E-08	1.8E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840
SAMPLE ID	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	4.9E-08
AROCLOR-1260	5.3E-08	1.8E-07	3.1E-07	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.1E-08	1.0E-08	9.5E-09	2.4E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.3E-08	1.9E-07	3.2E-07	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	6.1E-08	2.0E-08	1.9E-08	2.9E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.1E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	2.5E-07
AROCLOR-1260	2.6E-07	9.0E-07	1.5E-06	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	2.5E-07	5.0E-08	4.7E-08	1.2E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-07	9.5E-07	1.6E-06	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	3.0E-07	9.9E-08	9.4E-08	1.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-841	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	6.7E-07	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	6.2E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-08	2.0E-08	6.8E-07	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	7.2E-08	2.1E-08	2.0E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.1E-08	5.0E-08
AROCLOR-1260	5.2E-08	5.0E-08	3.3E-06	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	3.1E-07	5.2E-08	5.1E-08	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-07	9.9E-08	3.4E-06	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	3.6E-07	1.0E-07	1.0E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847	SB-847
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-08	1.0E-08	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.7E-07	1.0E-08	1.0E-08	5.9E-07	1.0E-08	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.1E-08	2.0E-08	2.0E-08	1.8E-07	2.0E-08	2.0E-08	6.4E-07	2.0E-08	2.0E-08	2.2E-08	2.2E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	2.7E-07	5.0E-08	5.0E-08	5.4E-08	5.4E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.0E-08	8.4E-07	5.0E-08	5.0E-08	2.9E-06	5.0E-08	5.0E-08	5.4E-08	5.4E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.0E-07	9.9E-08	9.9E-08	8.9E-07	9.9E-08	9.9E-08	3.2E-06	9.9E-08	9.9E-08	1.1E-07	1.1E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913
SAMPLE CODE	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15
BOTTOM DEPTH	15	15	15
INDUSTRIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.0E-08
RESIDENTIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	10	12	14	16	12	14	16	11	13	15	11	13	15
BOTTOM DEPTH	12	12	14	16	12	14	16	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.80E-06												
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	5.80E-06												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.70E-06												
AROCLOR-1254	1.40E-03	3.20E-03	7.00E-04	7.00E-04	6.60E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.00E-04
AROCLOR-1260													
ANTIMONY	6.00E-04												
ARSENIC	3.90E-03												
CADMIUM	5.30E-05												
COBALT	6.10E-03												
IRON	2.70E-02												
LEAD													
MANGANESE	6.20E-03												
MERCURY	4.70E-05												
MOLYBDENUM	1.20E-05												
NICKEL	1.30E-03												
VANADIUM	6.20E-06												
HEXAVALENT CHROMIUM	1.80E-02												
TOTAL HAZARD INDEX	6.50E-02	3.20E-03	7.00E-04	7.00E-04	6.60E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	4.70E-05												
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	5.50E-05												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.70E-05												
AROCLOR-1254	1.70E-02	4.10E-02	8.90E-03	8.90E-03	8.50E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	8.90E-03
AROCLOR-1260													
ANTIMONY	9.90E-03												
ARSENIC	7.90E-02												
CADMIUM	1.20E-03												
COBALT	1.40E-01												
IRON	6.40E-01												
LEAD													
MANGANESE	6.40E-02												
MERCURY	6.00E-04												
MOLYBDENUM	2.90E-04												
NICKEL	1.30E-02												
VANADIUM	1.50E-04												
HEXAVALENT CHROMIUM	1.60E-01												
TOTAL HAZARD INDEX	1.10E+00	4.10E-02	8.90E-03	8.90E-03	8.50E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825
SAMPLE ID	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11
SAMPLE DATE	20100915	20100915	20100915	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	6.60E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	6.60E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	8.50E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	8.50E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829
SAMPLE ID	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.70E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	3.80E-02	1.50E-03	3.50E-03	8.40E-04	7.70E-04	7.70E-04	7.30E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.70E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	3.80E-02	1.50E-03	3.50E-03	8.40E-04	7.70E-04	7.70E-04	7.30E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.80E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	4.90E-01	1.90E-02	4.40E-02	1.10E-02	9.80E-03	9.80E-03	9.30E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.80E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	4.90E-01	1.90E-02	4.40E-02	1.10E-02	9.80E-03	9.80E-03	9.30E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832
SAMPLE ID	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
BOTTOM DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.70E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	6.80E-04	6.60E-04	7.30E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.70E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	6.80E-04	6.60E-04	7.30E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.80E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.70E-03	8.50E-03	9.30E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.80E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.70E-03	8.50E-03	9.30E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-837
SAMPLE ID	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11
SAMPLE DATE	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.70E-04	7.70E-04	7.00E-02	7.70E-04	3.80E-03	7.70E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	7.70E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.70E-04	7.70E-04	7.00E-02	7.70E-04	3.80E-03	7.70E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	7.70E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.80E-03	9.80E-03	8.90E-01	9.80E-03	4.90E-02	9.80E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	9.80E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.80E-03	9.80E-03	8.90E-01	9.80E-03	4.90E-02	9.80E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	9.80E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840
SAMPLE ID	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.10E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.30E-04	7.00E-04	6.60E-04	3.40E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.10E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.30E-04	7.00E-04	6.60E-04	3.40E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	9.10E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	9.30E-03	8.90E-03	8.50E-03	4.40E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	9.10E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	9.30E-03	8.90E-03	8.50E-03	4.40E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-841	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.30E-04	7.10E-04	7.00E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.30E-04	7.10E-04	7.00E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	9.30E-03	9.10E-03	8.90E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	9.30E-03	9.10E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847	SB-847
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	3.80E-03	7.00E-04	7.00E-04	7.70E-04	7.70E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	3.80E-03	7.00E-04	7.00E-04	7.70E-04	7.70E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	4.90E-02	8.90E-03	8.90E-03	9.80E-03	9.80E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	4.90E-02	8.90E-03	8.90E-03	9.80E-03	9.80E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913
SAMPLE CODE	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15
BOTTOM DEPTH	15	15	15
INDUSTRIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	7.00E-04	7.00E-04	7.00E-04
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	7.00E-04	7.00E-04	7.00E-04
RESIDENTIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	8.90E-03	8.90E-03	8.90E-03
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	8.90E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

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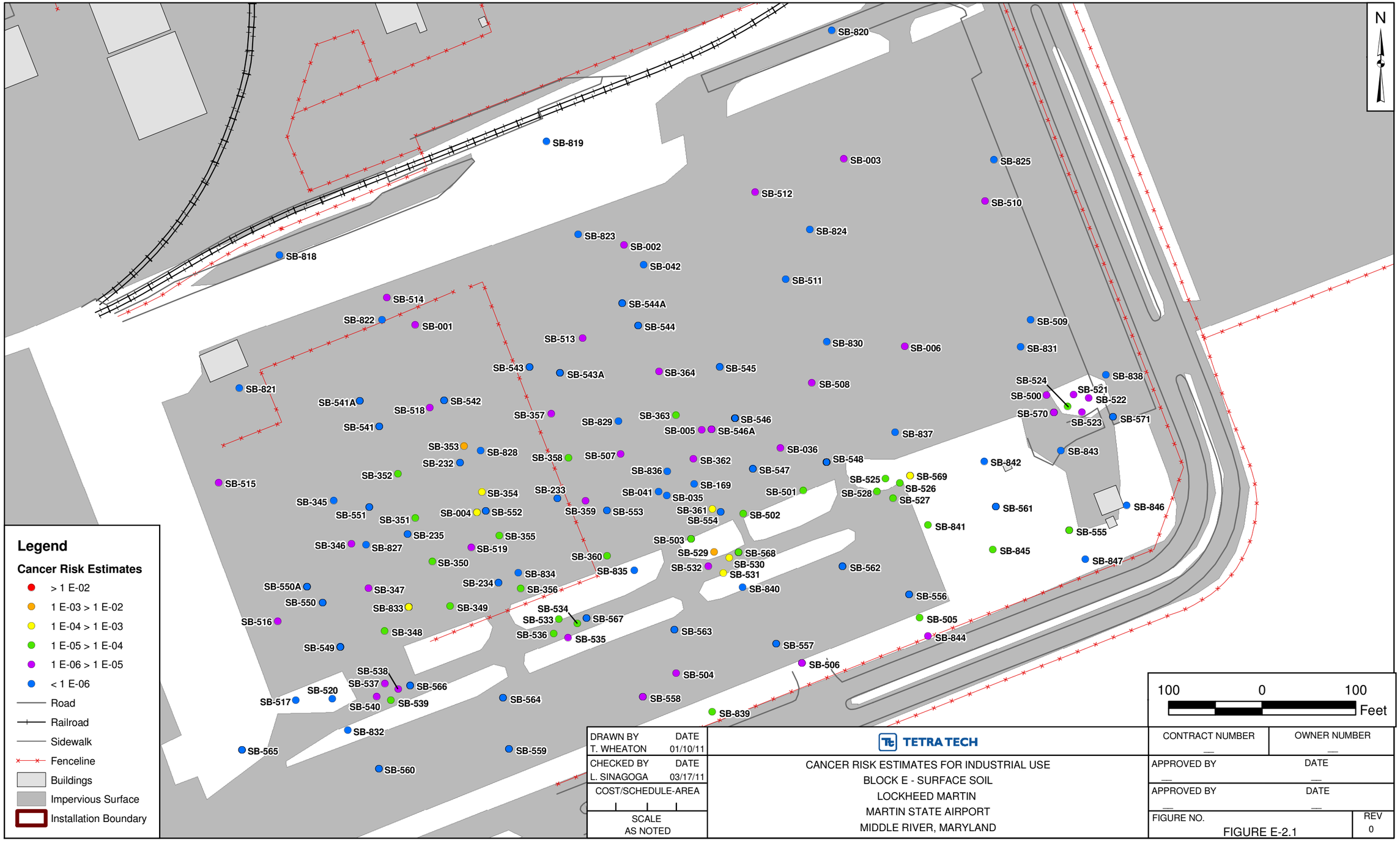

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.1	REV 0

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SB-820 SB-819 SB-003 SB-825 SB-512 SB-510 SB-824 SB-823 SB-002 SB-818 SB-042 SB-511 SB-514 SB-544A SB-822 SB-001 SB-544 SB-509 SB-513 SB-830 SB-006 SB-831 SB-543 SB-543A SB-364 SB-545 SB-838 SB-821 SB-508 SB-524 SB-521 SB-500 SB-522 SB-541A SB-542 SB-518 SB-357 SB-363 SB-546 SB-570 SB-571 SB-829 SB-523 SB-541 SB-005 SB-546A SB-837 SB-353 SB-828 SB-036 SB-843 SB-358 SB-507 SB-362 SB-548 SB-842 SB-232 SB-836 SB-547 SB-352 SB-525 SB-569 SB-515 SB-526 SB-354 SB-233 SB-169 SB-501 SB-528 SB-527 SB-345 SB-041 SB-035 SB-561 SB-846 SB-551 SB-004 SB-552 SB-359 SB-553 SB-361 SB-554 SB-502 SB-351 SB-841 SB-555 SB-235 SB-355 SB-503 SB-346 SB-827 SB-519 SB-529 SB-568 SB-845 SB-360 SB-530 SB-847 SB-350 SB-532 SB-531 SB-562 SB-834 SB-835 SB-550A SB-234 SB-356 SB-840 SB-347 SB-556 SB-550 SB-833 SB-349 SB-534 SB-505 SB-516 SB-533 SB-567 SB-844 SB-348 SB-536 SB-535 SB-563 SB-549 SB-557 SB-538 SB-506 SB-537 SB-566 SB-504 SB-520 SB-517 SB-540 SB-539 SB-564 SB-558 SB-839 SB-832 SB-565 SB-559 SB-560

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 100
- 0.2 - 1
- < 0.2

- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.2	REV 0

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N

SB-820 SB-819 SB-003 SB-825 SB-512 SB-510 SB-824 SB-823 SB-002 SB-818 SB-042 SB-511 SB-514 SB-544A SB-822 SB-001 SB-544 SB-509 SB-513 SB-830 SB-006 SB-831 SB-543 SB-543A SB-364 SB-545 SB-838 SB-821 SB-508 SB-524 SB-521 SB-500 SB-522 SB-541A SB-542 SB-518 SB-570 SB-571 SB-357 SB-523 SB-829 SB-363 SB-546 SB-541 SB-005 SB-546A SB-837 SB-353 SB-828 SB-036 SB-843 SB-358 SB-507 SB-548 SB-232 SB-362 SB-842 SB-352 SB-836 SB-547 SB-525 SB-569 SB-515 SB-169 SB-526 SB-354 SB-233 SB-041 SB-501 SB-528 SB-527 SB-345 SB-035 SB-561 SB-846 SB-551 SB-359 SB-553 SB-361 SB-004 SB-552 SB-554 SB-502 SB-841 SB-351 SB-555 SB-235 SB-355 SB-503 SB-346 SB-827 SB-519 SB-529 SB-568 SB-845 SB-360 SB-530 SB-847 SB-350 SB-532 SB-531 SB-562 SB-834 SB-835 SB-550A SB-234 SB-356 SB-840 SB-347 SB-556 SB-550 SB-833 SB-349 SB-534 SB-505 SB-516 SB-533 SB-567 SB-844 SB-348 SB-536 SB-535 SB-563 SB-549 SB-557 SB-538 SB-506 SB-537 SB-566 SB-504 SB-520 SB-517 SB-564 SB-558 SB-540 SB-539 SB-839 SB-832 SB-565 SB-559 SB-560

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.3	REV 0

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N

SB-820 SB-819 SB-003 SB-825 SB-512 SB-510 SB-824 SB-823 SB-002 SB-818 SB-042 SB-511 SB-514 SB-544A SB-822 SB-001 SB-544 SB-509 SB-513 SB-830 SB-006 SB-831 SB-543 SB-543A SB-364 SB-545 SB-838 SB-821 SB-508 SB-524 SB-521 SB-500 SB-522 SB-541A SB-518 SB-542 SB-570 SB-571 SB-357 SB-829 SB-363 SB-546 SB-523 SB-541 SB-005 SB-546A SB-837 SB-353 SB-828 SB-036 SB-843 SB-358 SB-507 SB-362 SB-548 SB-842 SB-232 SB-836 SB-547 SB-352 SB-525 SB-569 SB-515 SB-169 SB-526 SB-354 SB-233 SB-041 SB-501 SB-528 SB-527 SB-345 SB-035 SB-561 SB-846 SB-551 SB-004 SB-552 SB-359 SB-553 SB-361 SB-554 SB-502 SB-351 SB-841 SB-555 SB-235 SB-355 SB-503 SB-346 SB-827 SB-519 SB-529 SB-568 SB-845 SB-360 SB-530 SB-847 SB-350 SB-532 SB-531 SB-562 SB-834 SB-835 SB-550A SB-234 SB-356 SB-840 SB-347 SB-556 SB-550 SB-833 SB-349 SB-534 SB-505 SB-516 SB-533 SB-567 SB-844 SB-348 SB-536 SB-535 SB-563 SB-549 SB-557 SB-538 SB-506 SB-537 SB-566 SB-504 SB-520 SB-517 SB-540 SB-539 SB-564 SB-558 SB-839 SB-832 SB-565 SB-559 SB-560

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 100
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.4	REV 0

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N

SB-820
SB-819
SB-003
SB-825
SB-512
SB-510
SB-824
SB-823
SB-002
SB-818
SB-511
SB-514
SB-822
SB-001
SB-509
SB-513
SB-830
SB-006
SB-831
SB-009
SB-543A
SB-545
SB-838
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SB-542
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SB-571
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SB-036
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SB-842
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SB-501
SB-035
SB-561A
SB-561
SB-846
SB-010
SB-004
SB-554
SB-502
SB-021
SB-841
SB-555
SB-827
SB-519
SB-503
SB-568A
SB-555A
SB-833I
SB-568
SB-845
SB-019
SB-847
SB-833N
SB-834
SB-835
SB-562
SB-833B
SB-018
SB-550A
SB-833M
SB-833C
SB-840
SB-833A
SB-833D
SB-556
SB-833J
SB-833K
SB-505
SB-017
SB-833H
SB-833
SB-833E
SB-826
SB-567
SB-563
MRC-MW43A
SB-844
SB-833G
SB-833L
SB-011
SB-557
SB-833F
SB-506
SB-504
SB-016
SB-566
SB-517
SB-520
SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.5	REV 0

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N

SB-820
SB-819
SB-003
SB-825
SB-512
SB-510
SB-824
SB-823
SB-002
SB-818
SB-511
SB-514
SB-822
SB-001
SB-509
SB-513
SB-830
SB-006
SB-831
SB-009
SB-543A
SB-545
SB-838
SB-821
SB-508
SB-500
SB-541A
SB-518
SB-542
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SB-570
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SB-846
SB-010
SB-004
SB-554
SB-502
SB-021
SB-841
SB-555
SB-827
SB-519
SB-503
SB-568A
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SB-845
SB-019
SB-568
SB-847
SB-833I
SB-833N
SB-833B
SB-834
SB-835
SB-562
SB-018
SB-550A
SB-833M
SB-833C
SB-840
SB-833A
SB-833D
SB-556
SB-833J
SB-833K
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SB-011
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SB-504
SB-016
SB-566
SB-517
SB-520
SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.6	REV 0

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N

SB-820
SB-819
SB-003
SB-825
SB-512
SB-510
SB-824
SB-823
SB-002
SB-818
SB-511
SB-514
SB-822
SB-001
SB-509
SB-513
SB-830
SB-006
SB-831
SB-009
SB-543A
SB-545
SB-838
SB-821
SB-508
SB-500
SB-541A
SB-570A
SB-570
SB-571
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SB-020
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SB-501
SB-035
SB-561A
SB-561
SB-846
SB-010
SB-004
SB-554
SB-502
SB-021
SB-841
SB-555
SB-827
SB-519
SB-503
SB-568A
SB-555A
SB-845
SB-019
SB-568
SB-847
SB-833I
SB-833N
SB-833B
SB-834
SB-835
SB-562
SB-018
SB-550A
SB-833M
SB-833C
SB-840
SB-833A
SB-833D
SB-556
SB-833J
SB-833K
SB-505
SB-017
SB-833H
SB-833
SB-567
SB-826
SB-833E
MRC-MW43A
SB-563
SB-844
SB-011
SB-833G
SB-833L
SB-557
SB-833F
SB-506
SB-016
SB-504
SB-566
SB-517
SB-520
SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.7	REV 0

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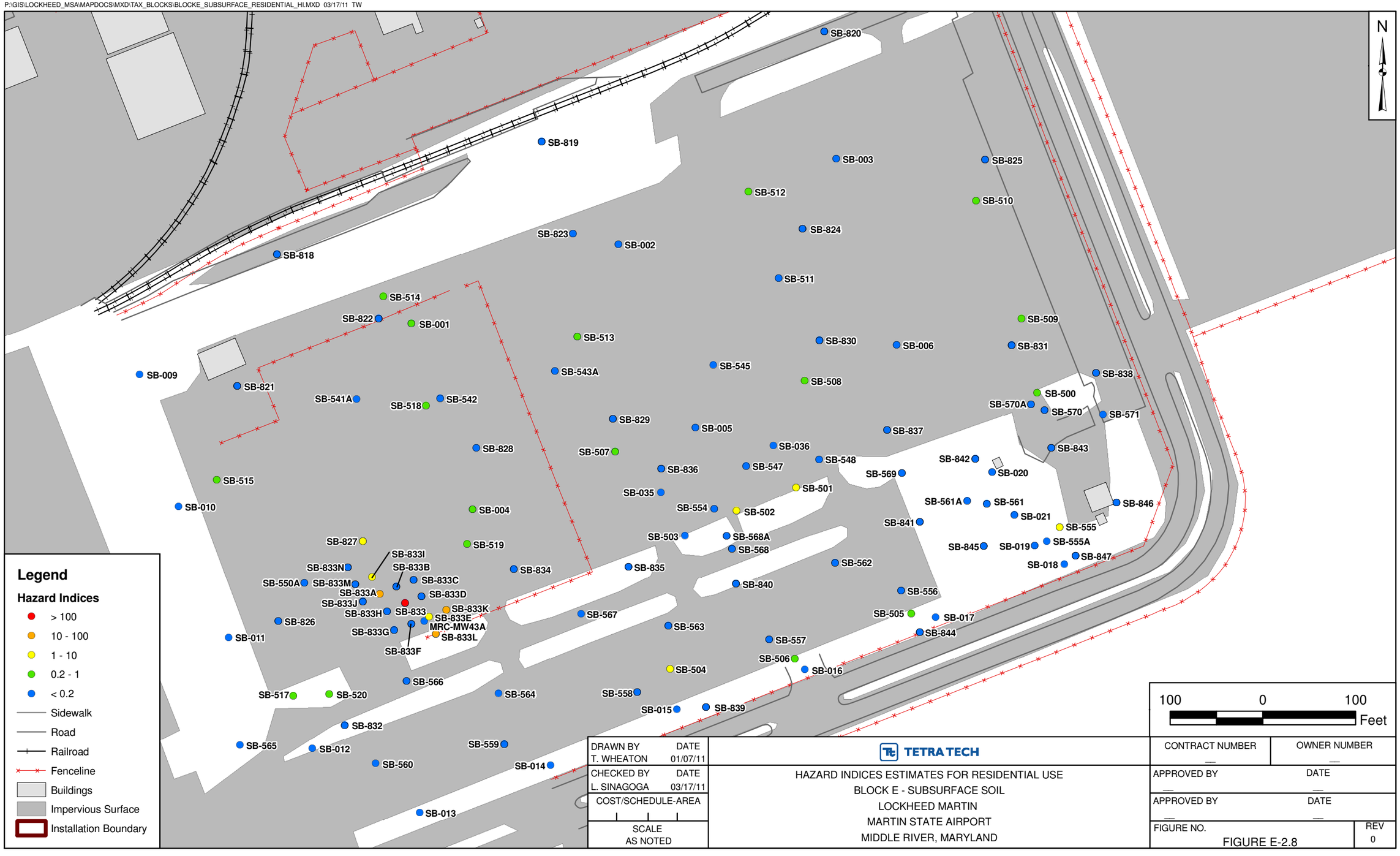


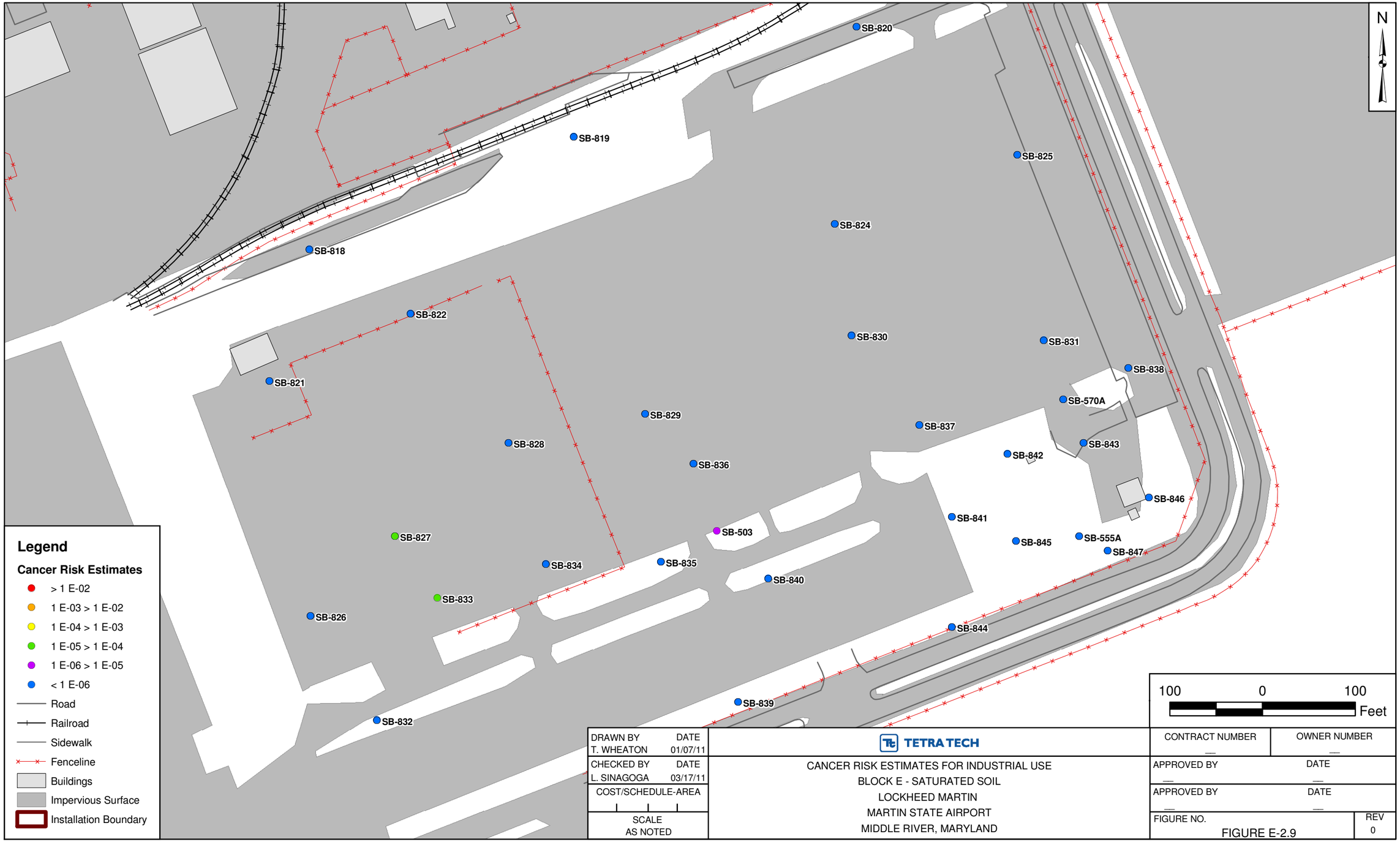
DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.8	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKE_SATSOIL_INDUSTRIAL_CR.MXD 03/17/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.9 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKE_SATSOIL_INDUSTRIAL_HI.MXD 03/17/11 TW

N

SB-820
SB-819
SB-825
SB-824
SB-818
SB-822
SB-830
SB-831
SB-838
SB-821
SB-570A
SB-829
SB-837
SB-828
SB-843
SB-842
SB-836
SB-846
SB-841
SB-827
SB-503
SB-845
SB-555A
SB-847
SB-834
SB-835
SB-840
SB-833
SB-826
SB-844
SB-839
SB-832

Legend

Hazard Indices

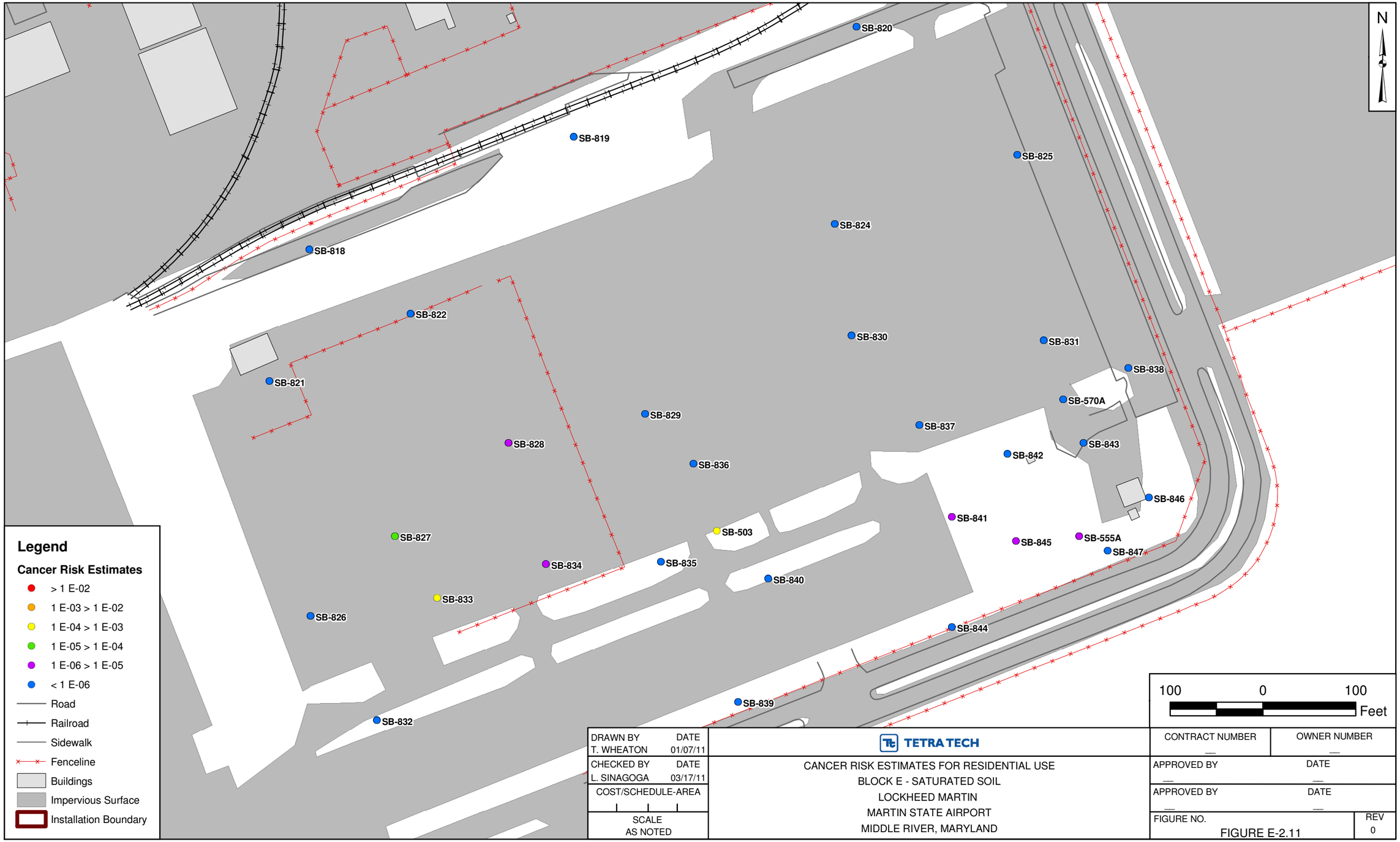
- > 100
- 10 - 100
- 1 - 1
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.10 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKE_SATSOIL_RESIDENTIAL_CR.MXD 03/17/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKE_SATSOIL_RESIDENTIAL_HI.MXD 03/17/11 TW

N

SB-820
SB-819
SB-825
SB-824
SB-818
SB-822
SB-830
SB-831
SB-838
SB-821
SB-570A
SB-829
SB-837
SB-828
SB-843
SB-842
SB-836
SB-846
SB-841
SB-827
SB-503
SB-845
SB-555A
SB-847
SB-834
SB-835
SB-840
SB-833
SB-826
SB-844
SB-839
SB-832

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 1
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.12 / REV 0

APPENDIX E.3

BLOCK F

TABLES

E-3.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block F

E-3.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block F

E-3.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block F

E-3.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block F

E-3.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block F

E-3.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block F

FIGURES

E-3.1 Cancer Risk Estimates for Industrial Use – Block F – Surface Soil

E-3.2 Hazard Indices Estimates for Industrial Use – Block F – Surface Soil

E-3.3 Cancer Risk Estimates for Residential Use – Block F – Surface Soil

E-3.4 Hazard Indices Estimates for Residential Use – Block F – Surface Soil

E-3.5 Cancer Risk Estimates for Industrial Use – Block F – Subsurface Soil

E-3.6 Hazard Indices Estimates for Industrial Use – Block F – Subsurface Soil

E-3.7 Cancer Risk Estimates for Residential Use – Block F – Subsurface Soil

E-3.8 Hazard Indices Estimates for Residential Use – Block F – Subsurface Soil

E-3.9 Cancer Risk Estimates for Industrial Use – Block F – Saturated Soil

E-3.10 Hazard Indices Estimates for Industrial Use – Block F – Saturated Soil

E-3.11 Cancer Risk Estimates for Residential Use – Block F – Saturated Soil

E-3.12 Hazard Indices Estimates for Residential Use – Block F – Saturated Soil

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-056	SB-056	SB-093	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-635C	SB-635D
SAMPLE ID	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090918	20090918	20090921	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.9E-08	2.6E-09	4.1E-06	5.2E-07	6.4E-07	3.3E-07	1.7E-04	9.1E-09	2.1E-06	2.8E-09	4.4E-06	7.0E-08
AROCLOR-1254			9.5E-09	1.0E-08	1.0E-08	1.0E-08						
AROCLOR-1260			1.2E-07	1.0E-08	1.0E-08	1.0E-08						
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	2.6E-09	4.3E-06	5.4E-07	6.6E-07	3.5E-07	1.7E-04	9.1E-09	2.1E-06	2.8E-09	4.4E-06	7.0E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.7E-06	5.6E-08	8.9E-05	1.1E-05	1.4E-05	7.2E-06	3.8E-03	2.0E-07	4.5E-05	6.0E-08	9.5E-05	1.5E-06
AROCLOR-1254			4.7E-08	5.0E-08	5.0E-08	5.2E-08						
AROCLOR-1260			5.9E-07	5.0E-08	5.0E-08	5.2E-08						
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	5.6E-08	9.0E-05	1.1E-05	1.4E-05	7.3E-06	3.8E-03	2.0E-07	4.5E-05	6.0E-08	9.5E-05	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638	SB-639	SB-640	SB-641
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1	F-SB-639-1	F-SB-640-1	F-SB-641-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007	20091007	20091007	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.6E-07	1.4E-06	4.9E-06	2.5E-05	2.3E-05	4.1E-06	2.4E-05	7.2E-06	2.4E-09	2.7E-07	2.6E-07	4.7E-06
AROCLOR-1254	1.0E-08					9.5E-09			9.0E-09	1.0E-08	1.0E-08	
AROCLOR-1260	1.0E-08					9.5E-09			9.0E-09	1.0E-08	1.0E-08	
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.8E-07	1.4E-06	4.9E-06	2.5E-05	2.3E-05	4.1E-06	2.4E-05	7.2E-06	2.0E-08	2.9E-07	2.8E-07	4.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.2E-05	3.1E-05	1.1E-04	5.3E-04	5.1E-04	8.9E-05	5.2E-04	1.6E-04	5.3E-08	5.9E-06	5.5E-06	1.0E-04
AROCLOR-1254	5.0E-08					4.7E-08			4.5E-08	5.0E-08	5.0E-08	
AROCLOR-1260	5.0E-08					4.7E-08			4.5E-08	5.0E-08	5.0E-08	
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.2E-05	3.1E-05	1.1E-04	5.3E-04	5.1E-04	8.9E-05	5.2E-04	1.6E-04	1.4E-07	6.0E-06	5.6E-06	1.0E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645
SAMPLE ID	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1
SAMPLE DATE	20091104	20091104	20091104	20091019	20091104	20091104	20091104	20091016	20091105	20091105	20091016	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-07	1.0E-06	3.2E-05	5.2E-06	2.6E-09	2.0E-07	6.0E-09	2.5E-06	4.1E-07	2.4E-09	2.4E-07	9.3E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-07	1.0E-06	3.2E-05	5.2E-06	2.6E-09	2.0E-07	6.0E-09	2.5E-06	4.1E-07	2.4E-09	2.4E-07	9.3E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.1E-06	2.2E-05	6.8E-04	1.1E-04	5.6E-08	4.3E-06	1.3E-07	5.3E-05	8.9E-06	5.3E-08	5.2E-06	2.0E-03
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-06	2.2E-05	6.8E-04	1.1E-04	5.6E-08	4.3E-06	1.3E-07	5.3E-05	8.9E-06	5.3E-08	5.2E-06	2.0E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-645A	SB-645B	SB-645C	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091105	20091105	20091105	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-07	3.9E-07	1.3E-06	7.9E-08	9.8E-07	1.3E-05	9.8E-07	1.8E-05	3.8E-09	3.8E-09	1.4E-08	4.8E-08
AROCLOR-1254												9.5E-09
AROCLOR-1260												9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-07	3.9E-07	1.3E-06	7.9E-08	9.8E-07	1.3E-05	9.8E-07	1.8E-05	3.8E-09	3.8E-09	1.4E-08	6.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-06	8.4E-06	2.8E-05	1.7E-06	2.1E-05	2.9E-04	2.1E-05	3.9E-04	8.3E-08	8.3E-08	3.1E-07	1.0E-06
AROCLOR-1254												4.7E-08
AROCLOR-1260												4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-06	8.4E-06	2.8E-05	1.7E-06	2.1E-05	2.9E-04	2.1E-05	3.9E-04	8.3E-08	8.3E-08	3.1E-07	1.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-022	SB-023	SB-024	SB-025	SB-030
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1					
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.2E-06	7.9E-07	1.8E-06	6.4E-08	1.2E-05	6.4E-09	4.5E-08	7.4E-07	6.6E-07	1.0E-06	6.9E-07	1.4E-06
AROCLOR-1254	1.0E-08							1.6E-07	1.4E-07	1.5E-07	1.5E-07	1.3E-07
AROCLOR-1260	1.0E-08							1.6E-07	1.4E-07	1.5E-07	1.5E-07	1.3E-07
ANTIMONY												
ARSENIC								4.8E-07	8.1E-07	1.2E-06	2.2E-07	8.4E-07
CADMIUM								6.8E-11	5.9E-11	6.4E-11	6.1E-11	6.1E-11
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL								3.0E-11	4.7E-11	9.2E-11	1.8E-10	3.0E-11
VANADIUM												
HEXAVALENT CHROMIUM								2.2E-07	3.6E-07	5.0E-07	5.0E-07	2.4E-07
TOTAL CANCER RISK	1.2E-06	7.9E-07	1.8E-06	6.4E-08	1.2E-05	6.4E-09	4.5E-08	1.8E-06	2.1E-06	3.1E-06	1.7E-06	2.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.6E-05	1.7E-05	3.8E-05	1.4E-06	2.6E-04	1.4E-07	9.8E-07	1.6E-05	1.4E-05	2.2E-05	1.5E-05	3.0E-05
AROCLOR-1254	5.0E-08							7.9E-07	6.9E-07	7.4E-07	7.4E-07	6.7E-07
AROCLOR-1260	5.0E-08							7.9E-07	6.9E-07	7.4E-07	7.4E-07	6.7E-07
ANTIMONY												
ARSENIC								3.7E-06	6.3E-06	9.7E-06	1.7E-06	6.6E-06
CADMIUM								1.4E-10	1.2E-10	1.3E-10	1.2E-10	1.2E-10
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL								6.1E-11	9.4E-11	1.9E-10	3.6E-10	6.0E-11
VANADIUM												
HEXAVALENT CHROMIUM								3.3E-06	5.4E-06	7.4E-06	7.4E-06	3.6E-06
TOTAL CANCER RISK	2.6E-05	1.7E-05	3.8E-05	1.4E-06	2.6E-04	1.4E-07	9.8E-07	2.5E-05	2.7E-05	4.1E-05	2.6E-05	4.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-050	SB-055	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250
SAMPLE ID	SB-50-SS	SB-55-SS	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02
SAMPLE DATE	20040915	20040915	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509	20050517	20050517	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH								1		1		1		1
BOTTOM DEPTH	1	1	1	1	1	1	1	2	1	2	1	2	1	2
INDUSTRIAL														
BAP EQUIVALENT-HALFND		1.1E-06		6.7E-06	3.7E-06	7.4E-06						4.9E-07	1.5E-06	
AROCLOR-1254		1.3E-07	2.0E-07	1.6E-07	6.5E-07	1.5E-07	1.4E-07					1.9E-08	1.8E-08	
AROCLOR-1260		1.3E-07	2.0E-07	8.0E-07	1.4E-06	1.5E-07	1.4E-07					1.9E-08	1.5E-07	
ANTIMONY														
ARSENIC	1.2E-06	5.5E-07	1.1E-06	6.6E-07	7.7E-07	7.3E-07	7.3E-07	1.5E-06	1.1E-06	1.8E-06	5.5E-07	1.1E-06	1.1E-06	5.5E-07
CADMIUM	5.5E-11	6.1E-11	9.1E-11	1.6E-10	2.0E-10	6.8E-11	6.6E-11	1.8E-11	1.4E-11	1.4E-11	1.8E-11	2.7E-11	9.1E-11	4.5E-12
COBALT								1.3E-09	1.5E-09	1.2E-09	1.3E-09	1.9E-09	1.5E-09	6.4E-10
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	5.6E-11	8.5E-11	3.3E-11	7.2E-11	7.2E-11	5.3E-11	3.5E-11	7.9E-11	7.9E-11	1.2E-10	7.9E-11	1.4E-10	1.4E-10	2.0E-11
VANADIUM														
HEXAVALENT CHROMIUM	2.6E-07	3.6E-07	3.9E-07	3.0E-06	6.9E-07	3.9E-07	2.6E-07	5.5E-07	4.9E-07	5.1E-06	5.5E-07	7.5E-07	1.0E-06	4.3E-07
TOTAL CANCER RISK	1.4E-06	2.3E-06	1.9E-06	1.1E-05	7.2E-06	8.8E-06	1.3E-06	2.0E-06	1.6E-06	6.9E-06	1.1E-06	2.4E-06	3.7E-06	9.8E-07
RESIDENTIAL														
BAP EQUIVALENT-HALFND		2.4E-05		1.5E-04	8.1E-05	1.6E-04						1.1E-05	3.2E-05	
AROCLOR-1254		6.4E-07	1.0E-06	8.2E-07	3.2E-06	7.4E-07	6.9E-07					9.7E-08	9.2E-08	
AROCLOR-1260		6.4E-07	1.0E-06	4.0E-06	6.9E-06	7.4E-07	6.9E-07					9.7E-08	7.6E-07	
ANTIMONY														
ARSENIC	9.1E-06	4.3E-06	8.3E-06	5.1E-06	6.0E-06	5.7E-06	5.7E-06	1.1E-05	8.5E-06	1.4E-05	4.3E-06	8.5E-06	8.5E-06	4.3E-06
CADMIUM	1.1E-10	1.2E-10	1.8E-10	3.2E-10	4.1E-10	1.4E-10	1.3E-10	3.7E-11	2.7E-11	2.7E-11	3.7E-11	5.5E-11	1.8E-10	9.2E-12
COBALT								2.7E-09	3.1E-09	2.3E-09	2.6E-09	3.8E-09	2.9E-09	1.3E-09
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	1.1E-10	1.7E-10	6.7E-11	1.5E-10	1.5E-10	1.1E-10	7.1E-11	1.6E-10	1.6E-10	2.4E-10	1.6E-10	2.9E-10	2.8E-10	4.0E-11
VANADIUM														
HEXAVALENT CHROMIUM	3.9E-06	5.4E-06	5.8E-06	4.5E-05	1.0E-05	5.8E-06	3.8E-06	8.2E-06	7.3E-06	7.6E-05	8.2E-06	1.1E-05	1.5E-05	6.4E-06
TOTAL CANCER RISK	1.3E-05	3.4E-05	1.6E-05	2.0E-04	1.1E-04	1.7E-04	1.1E-05	2.0E-05	1.6E-05	9.0E-05	1.2E-05	3.1E-05	5.6E-05	1.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268
SAMPLE ID	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH		1		1		1		1		1		1		1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	2	1	2
INDUSTRIAL														
BAP EQUIVALENT-HALFND								2.1E-06	8.8E-06	6.7E-07	4.7E-06	5.0E-07	1.1E-06	1.5E-05
AROCLOR-1254									1.8E-08		1.8E-08		9.6E-08	
AROCLOR-1260									1.2E-07		7.5E-07		7.3E-08	
ANTIMONY														
ARSENIC	1.8E-07	1.8E-06	5.5E-07	1.5E-06	3.7E-07	5.5E-07	5.5E-07		1.8E-06		5.5E-07		5.5E-07	
CADMIUM	4.5E-12	2.3E-12	4.5E-12	4.5E-12	2.3E-12	2.0E-12	1.8E-11		3.6E-11		8.2E-11		3.2E-11	
COBALT	1.3E-09	1.6E-09	1.3E-09	8.0E-10	8.2E-10	9.1E-10	1.1E-09		2.0E-09		1.9E-09		1.4E-09	
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	5.3E-11	5.9E-11	3.0E-11	2.0E-11	2.0E-11	1.6E-11	2.6E-11		1.3E-10		9.2E-11		5.9E-11	
VANADIUM														
HEXAVALENT CHROMIUM	3.2E-07	5.7E-07	4.4E-07	4.3E-07	3.2E-07	3.9E-07	4.0E-07		1.5E-06		8.6E-07		4.5E-07	
TOTAL CANCER RISK	5.1E-07	2.4E-06	9.9E-07	1.9E-06	6.9E-07	9.4E-07	9.5E-07	2.1E-06	1.2E-05	6.7E-07	6.8E-06	5.0E-07	2.3E-06	1.5E-05
RESIDENTIAL														
BAP EQUIVALENT-HALFND								4.5E-05	1.9E-04	1.4E-05	1.0E-04	1.1E-05	2.4E-05	3.2E-04
AROCLOR-1254									8.9E-08		8.9E-08		4.8E-07	
AROCLOR-1260									5.9E-07		3.7E-06		3.6E-07	
ANTIMONY														
ARSENIC	1.4E-06	1.4E-05	4.3E-06	1.1E-05	2.8E-06	4.3E-06	4.3E-06		1.4E-05		4.3E-06		4.3E-06	
CADMIUM	9.2E-12	4.6E-12	9.2E-12	9.2E-12	4.6E-12	4.1E-12	3.7E-11		7.3E-11		1.6E-10		6.4E-11	
COBALT	2.7E-09	3.3E-09	2.7E-09	1.6E-09	1.6E-09	1.8E-09	2.2E-09		4.1E-09		3.9E-09		2.7E-09	
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	1.1E-10	1.2E-10	6.0E-11	4.0E-11	4.0E-11	3.3E-11	5.3E-11		2.6E-10		1.9E-10		1.2E-10	
VANADIUM														
HEXAVALENT CHROMIUM	4.9E-06	8.6E-06	6.5E-06	6.4E-06	4.9E-06	5.8E-06	5.9E-06		2.3E-05		1.3E-05		6.8E-06	
TOTAL CANCER RISK	6.3E-06	2.3E-05	1.1E-05	1.8E-05	7.7E-06	1.0E-05	1.0E-05	4.5E-05	2.3E-04	1.4E-05	1.2E-04	1.1E-05	3.5E-05	3.2E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-268	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386	SB-387	SB-388
SAMPLE ID	SB-268-SS	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102	SB-387-0102	SB-388-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		1		1		1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	1	2	1	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.3E-04	1.4E-07	6.5E-06	4.3E-07	1.3E-06	2.6E-09	6.6E-05	2.6E-09	2.4E-09	2.4E-09	4.2E-08	1.3E-06
AROCLOR-1254	1.9E-08		1.8E-08		1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.7E-08	1.7E-08
AROCLOR-1260	6.3E-08		9.5E-08		2.9E-08	1.9E-08	3.4E-08	1.9E-08	1.8E-08	1.8E-08	1.7E-08	1.7E-08
ANTIMONY												
ARSENIC	1.8E-06		2.2E-06		5.5E-07							
CADMIUM	1.4E-10		3.2E-11		6.8E-12							
COBALT	2.7E-09		1.5E-09		1.2E-09							
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	9.2E-11		8.5E-11		2.6E-11							
VANADIUM												
HEXAVALENT CHROMIUM	8.8E-07		7.2E-07		4.2E-07							
TOTAL CANCER RISK	1.3E-04	1.4E-07	9.6E-06	4.3E-07	2.3E-06	4.1E-08	6.6E-05	4.0E-08	3.8E-08	3.9E-08	7.6E-08	1.4E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.9E-03	3.1E-06	1.4E-04	9.3E-06	2.8E-05	5.6E-08	1.4E-03	5.6E-08	5.3E-08	5.3E-08	9.0E-07	2.9E-05
AROCLOR-1254	9.7E-08		9.2E-08		9.4E-08	9.7E-08	9.2E-08	9.4E-08	8.9E-08	9.2E-08	8.7E-08	8.7E-08
AROCLOR-1260	3.1E-07		4.7E-07		1.4E-07	9.7E-08	1.7E-07	9.4E-08	8.9E-08	9.2E-08	8.7E-08	8.7E-08
ANTIMONY												
ARSENIC	1.4E-05		1.7E-05		4.3E-06							
CADMIUM	2.7E-10		6.4E-11		1.4E-11							
COBALT	5.4E-09		3.0E-09		2.5E-09							
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	1.9E-10		1.7E-10		5.3E-11							
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-05		1.1E-05		6.3E-06							
TOTAL CANCER RISK	2.9E-03	3.1E-06	1.7E-04	9.3E-06	3.9E-05	2.5E-07	1.4E-03	2.4E-07	2.3E-07	2.4E-07	1.1E-06	2.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395	SB-396	SB-397	SB-398	SB-399
SAMPLE ID	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102
SAMPLE DATE	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.6E-07	3.4E-08	2.8E-09	2.4E-09	1.6E-06	4.9E-07	2.8E-09	2.8E-07	2.8E-07	1.0E-07	2.4E-09
AROCLOR-1254	1.8E-08	1.9E-08	1.9E-08	1.8E-08	1.7E-08	1.8E-08	2.0E-08	1.9E-08	1.7E-08	1.8E-08	1.8E-08
AROCLOR-1260	1.8E-08	1.9E-08	1.9E-08	1.8E-08	2.2E-08	1.8E-08	2.0E-08	1.9E-08	1.7E-08	1.8E-08	1.8E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-07	7.2E-08	4.2E-08	3.9E-08	1.6E-06	5.2E-07	4.3E-08	3.2E-07	3.1E-07	1.4E-07	3.8E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-05	7.4E-07	6.0E-08	5.3E-08	3.4E-05	1.1E-05	6.0E-08	6.0E-06	6.0E-06	2.2E-06	5.3E-08
AROCLOR-1254	8.9E-08	9.4E-08	9.7E-08	9.2E-08	8.7E-08	9.2E-08	9.9E-08	9.7E-08	8.7E-08	8.9E-08	8.9E-08
AROCLOR-1260	8.9E-08	9.4E-08	9.7E-08	9.2E-08	1.1E-07	9.2E-08	9.9E-08	9.7E-08	8.7E-08	8.9E-08	8.9E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-05	9.3E-07	2.5E-07	2.4E-07	3.4E-05	1.1E-05	2.6E-07	6.2E-06	6.2E-06	2.4E-06	2.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-400	SB-401	SB-402	SB-403	SB-404	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.2E-08	8.7E-08	1.3E-07	2.6E-09	2.6E-09	1.2E-07	1.8E-06	4.5E-07	3.0E-07	1.4E-07	3.3E-08
AROCLOR-1254	1.8E-08	2.0E-08	2.0E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	2.1E-08	2.0E-08
AROCLOR-1260	1.8E-08	2.0E-08	2.0E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	2.1E-08	2.0E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.7E-08	1.3E-07	1.7E-07	3.9E-08	4.0E-08	1.6E-07	1.8E-06	4.9E-07	3.4E-07	1.8E-07	7.4E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.8E-07	1.9E-06	2.8E-06	5.6E-08	5.6E-08	2.7E-06	3.8E-05	9.8E-06	6.5E-06	2.9E-06	7.2E-07
AROCLOR-1254	8.9E-08	1.0E-07	1.0E-07	9.2E-08	9.4E-08	8.9E-08	9.4E-08	1.0E-07	9.9E-08	1.1E-07	1.0E-07
AROCLOR-1260	8.9E-08	1.0E-07	1.0E-07	9.2E-08	9.4E-08	8.9E-08	9.4E-08	1.0E-07	9.9E-08	1.1E-07	1.0E-07
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.6E-07	2.1E-06	3.0E-06	2.4E-07	2.4E-07	2.9E-06	3.8E-05	1.0E-05	6.7E-06	3.1E-06	9.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-024A	SB-024A	SB-093	SB-093	SB-094	SB-094	SB-624	SB-624	SB-625	SB-625	SB-626	SB-626
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1	F-SB-94RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2	F-SB-626-1	F-SB-626-2
SAMPLE DATE	20090922	20090922	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			6.6E-04	7.0E-04	7.0E-04	7.3E-04						
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	7.1E-03	4.7E-03					1.6E-04	1.0E-03	4.7E-05	2.7E-03	1.0E-02	1.3E-02
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.1E-03	4.7E-03	6.6E-04	7.0E-04	7.0E-04	7.3E-04	1.6E-04	1.0E-03	4.7E-05	2.7E-03	1.0E-02	1.3E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			8.5E-03	8.9E-03	8.9E-03	9.3E-03						
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	9.0E-02	6.0E-02					2.1E-03	1.3E-02	6.0E-04	3.5E-02	1.3E-01	1.6E-01
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.0E-02	6.0E-02	8.5E-03	8.9E-03	8.9E-03	9.3E-03	2.1E-03	1.3E-02	6.0E-04	3.5E-02	1.3E-01	1.6E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-636	SB-637	SB-638	SB-639	SB-640	SB-651	SB-652
SAMPLE ID	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-636-1	F-SB-637-1	F-SB-638-1	F-SB-639-1	F-SB-640-1	F-SB-651-1	F-SB-652-1
SAMPLE DATE	20091111	20091111	20091111	20090922	20090922	20091007	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	2	1	1	1	1	1	1	1
BOTTOM DEPTH	4	1	1	1	2	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254						7.0E-04	6.6E-04	6.3E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	5.7E-03	1.0E-02	1.7E-03	1.5E-03	1.8E-03							
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.7E-03	1.0E-02	1.7E-03	1.5E-03	1.8E-03	7.0E-04	6.6E-04	6.3E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254						8.9E-03	8.5E-03	8.0E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	7.2E-02	1.3E-01	2.1E-02	1.8E-02	2.3E-02							
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.2E-02	1.3E-01	2.1E-02	1.8E-02	2.3E-02	8.9E-03	8.5E-03	8.0E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-800	SB-801	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055	SB-056	SB-093	SB-094	SB-095	SB-096
SAMPLE ID	F-SB-800-SS	F-SB-801-SS	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS
SAMPLE DATE	20100910	20100910	20040915	20040915	20040915	20040915	20040915	20040915	20040915	20040913	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL														
BAP EQUIVALENT-HALFND														
AROCLOR-1254			1.1E-02	9.8E-03	1.0E-02	1.0E-02	9.4E-03		9.1E-03	1.4E-02	1.1E-02	4.5E-02	1.0E-02	9.8E-03
AROCLOR-1260														
ANTIMONY			3.4E-03	3.0E-03	3.2E-03	3.1E-03		2.8E-03						
ARSENIC			3.0E-03	5.0E-03	7.8E-03	1.4E-03	5.2E-03	7.3E-03	3.4E-03	6.6E-03	4.1E-03	4.8E-03	4.6E-03	4.6E-03
CADMIUM			1.9E-03	1.6E-03	1.7E-03	1.7E-03	1.7E-03	1.5E-03	1.7E-03	2.5E-03	4.4E-03	5.6E-03	1.9E-03	1.8E-03
COBALT														
IRON														
LEAD														
MERCURY	4.7E-03	8.5E-04	2.8E-04	2.4E-04	6.6E-03	2.6E-04	2.6E-04	2.0E-03	2.6E-04	3.8E-04	3.2E-03	4.6E-03	7.1E-04	2.8E-04
MOLYBDENUM														
NICKEL			4.9E-04	7.5E-04	1.5E-03	2.9E-03	4.8E-04	9.0E-04	1.4E-03	5.4E-04	1.2E-03	1.2E-03	8.6E-04	5.7E-04
VANADIUM														
HEXAVALENT CHROMIUM			4.2E-04	6.7E-04	9.2E-04	9.2E-04	4.5E-04	4.8E-04	6.7E-04	7.2E-04	5.6E-03	1.3E-03	7.2E-04	4.8E-04
TOTAL HAZARD INDEX	4.7E-03	8.5E-04	2.1E-02	2.1E-02	3.2E-02	2.1E-02	1.8E-02	1.5E-02	1.6E-02	2.5E-02	3.0E-02	6.3E-02	1.9E-02	1.7E-02
RESIDENTIAL														
BAP EQUIVALENT-HALFND														
AROCLOR-1254			1.4E-01	1.2E-01	1.3E-01	1.3E-01	1.2E-01		1.2E-01	1.8E-01	1.5E-01	5.8E-01	1.3E-01	1.2E-01
AROCLOR-1260														
ANTIMONY			5.7E-02	4.9E-02	5.3E-02	5.1E-02		4.6E-02						
ARSENIC			6.0E-02	1.0E-01	1.6E-01	2.8E-02	1.1E-01	1.5E-01	6.9E-02	1.3E-01	8.3E-02	9.7E-02	9.2E-02	9.2E-02
CADMIUM			4.1E-02	3.5E-02	3.8E-02	3.6E-02	3.6E-02	3.2E-02	3.6E-02	5.4E-02	9.5E-02	1.2E-01	4.1E-02	3.9E-02
COBALT														
IRON														
LEAD														
MERCURY	6.0E-02	1.1E-02	3.6E-03	3.0E-03	8.4E-02	3.3E-03	3.3E-03	2.5E-02	3.3E-03	4.8E-03	4.1E-02	5.8E-02	9.0E-03	3.6E-03
MOLYBDENUM														
NICKEL			5.0E-03	7.7E-03	1.5E-02	2.9E-02	4.9E-03	9.3E-03	1.4E-02	5.6E-03	1.2E-02	1.2E-02	8.8E-03	5.9E-03
VANADIUM														
HEXAVALENT CHROMIUM			3.7E-03	5.9E-03	8.1E-03	8.1E-03	3.9E-03	4.2E-03	5.9E-03	6.3E-03	5.0E-02	1.1E-02	6.3E-03	4.2E-03
TOTAL HAZARD INDEX	6.0E-02	1.1E-02	3.1E-01	3.3E-01	4.9E-01	2.9E-01	2.8E-01	2.6E-01	2.4E-01	3.9E-01	4.3E-01	8.8E-01	2.9E-01	2.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252
SAMPLE ID	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1		1		1		1		1		1	
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2	1	2	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254					1.4E-03	1.3E-03						
AROCLOR-1260												
ANTIMONY	4.6E-03	1.1E-03	9.2E-03	9.2E-04	3.4E-04	2.3E-03	1.4E-03	1.8E-03	2.1E-03	2.3E-03	1.8E-03	1.6E-03
ARSENIC	9.1E-03	6.8E-03	1.1E-02	3.4E-03	6.8E-03	6.8E-03	3.4E-03	1.1E-03	1.1E-02	3.4E-03	9.1E-03	2.3E-03
CADMIUM	5.0E-04	3.7E-04	3.7E-04	5.0E-04	7.5E-04	2.5E-03	1.2E-04	1.2E-04	6.2E-05	1.2E-04	1.2E-04	6.2E-05
COBALT	1.1E-02	1.3E-02	9.5E-03	1.0E-02	1.6E-02	1.2E-02	5.2E-03	1.1E-02	1.3E-02	1.1E-02	6.5E-03	6.7E-03
IRON												
LEAD												
MERCURY	4.3E-03	1.4E-03	1.6E-03	2.8E-04	3.8E-04	1.1E-03	1.4E-04	1.9E-04	4.7E-05	9.4E-05	1.9E-04	1.9E-04
MOLYBDENUM	3.3E-05	2.2E-05	7.0E-03	3.3E-05	4.4E-05	5.5E-05	3.3E-05	2.8E-05	2.8E-05	3.3E-05	3.9E-05	2.2E-05
NICKEL	1.3E-03	1.3E-03	1.9E-03	1.3E-03	2.3E-03	2.2E-03	3.2E-04	8.5E-04	9.5E-04	4.8E-04	3.2E-04	3.2E-04
VANADIUM	3.4E-03	3.3E-03	4.6E-03	3.4E-03	4.0E-03	5.4E-03	3.0E-03	2.3E-03	3.9E-03	2.7E-03	3.1E-03	2.2E-03
HEXAVALENT CHROMIUM	1.0E-03	9.1E-04	9.5E-03	1.0E-03	1.4E-03	1.9E-03	7.9E-04	6.0E-04	1.1E-03	8.1E-04	8.0E-04	6.0E-04
TOTAL HAZARD INDEX	3.5E-02	2.8E-02	5.5E-02	2.1E-02	3.3E-02	3.6E-02	1.4E-02	1.8E-02	3.3E-02	2.1E-02	2.2E-02	1.4E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254					1.7E-02	1.6E-02						
AROCLOR-1260												
ANTIMONY	7.6E-02	1.9E-02	1.5E-01	1.5E-02	5.7E-03	3.8E-02	2.3E-02	3.0E-02	3.4E-02	3.8E-02	3.0E-02	2.7E-02
ARSENIC	1.8E-01	1.4E-01	2.3E-01	6.9E-02	1.4E-01	1.4E-01	6.9E-02	2.3E-02	2.3E-01	6.9E-02	1.8E-01	4.6E-02
CADMIUM	1.1E-02	8.1E-03	8.1E-03	1.1E-02	1.6E-02	5.4E-02	2.7E-03	2.7E-03	1.4E-03	2.7E-03	2.7E-03	1.4E-03
COBALT	2.5E-01	3.0E-01	2.2E-01	2.5E-01	3.7E-01	2.8E-01	1.2E-01	2.5E-01	3.1E-01	2.6E-01	1.5E-01	1.6E-01
IRON												
LEAD												
MERCURY	5.5E-02	1.7E-02	2.1E-02	3.6E-03	4.8E-03	1.4E-02	1.8E-03	2.4E-03	6.0E-04	1.2E-03	2.4E-03	2.4E-03
MOLYBDENUM	7.9E-04	5.3E-04	1.7E-01	7.9E-04	1.1E-03	1.3E-03	7.9E-04	6.6E-04	6.6E-04	7.9E-04	9.2E-04	5.3E-04
NICKEL	1.3E-02	1.3E-02	2.0E-02	1.3E-02	2.4E-02	2.3E-02	3.3E-03	8.7E-03	9.8E-03	4.9E-03	3.3E-03	3.3E-03
VANADIUM	8.1E-02	7.9E-02	1.1E-01	8.1E-02	9.4E-02	1.3E-01	7.1E-02	5.4E-02	9.4E-02	6.5E-02	7.3E-02	5.3E-02
HEXAVALENT CHROMIUM	8.9E-03	8.0E-03	8.4E-02	8.9E-03	1.2E-02	1.6E-02	7.0E-03	5.3E-03	9.4E-03	7.1E-03	7.0E-03	5.3E-03
TOTAL HAZARD INDEX	6.9E-01	5.8E-01	1.0E+00	4.5E-01	6.8E-01	7.1E-01	3.0E-01	3.8E-01	6.9E-01	4.5E-01	4.6E-01	3.0E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-253	SB-253	SB-265	SB-266	SB-267	SB-268	SB-269	SB-270	SB-382	SB-383	SB-384	SB-385
SAMPLE ID	SB-253-02	SB-253-SS	SB-265-SS	SB-266-SS	SB-267-SS	SB-268-SS	SB-269-SS	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SB	SB	SB	SB
TOP DEPTH	1								1	1	1	1
BOTTOM DEPTH	2	1	1	1	1	1	1	1	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.3E-03	1.3E-03	6.7E-03	1.4E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03
AROCLOR-1260												
ANTIMONY	2.1E-03	2.3E-03	1.1E-03	2.3E-03	2.3E-03	4.6E-03	2.3E-03	2.3E-03				
ARSENIC	3.4E-03	3.4E-03	1.1E-02	3.4E-03	3.4E-03	1.1E-02	1.4E-02	3.4E-03				
CADMIUM	5.6E-05	5.0E-04	1.0E-03	2.2E-03	8.7E-04	3.7E-03	8.7E-04	1.9E-04				
COBALT	7.4E-03	9.1E-03	1.7E-02	1.6E-02	1.1E-02	2.2E-02	1.2E-02	1.0E-02				
IRON												
LEAD												
MERCURY	1.4E-04	3.3E-04	4.2E-04	2.4E-03	3.3E-04	2.3E-03	8.5E-04	5.2E-04				
MOLYBDENUM	2.8E-05	2.8E-05	1.1E-04	3.3E-05	3.3E-05	5.5E-05	5.5E-05	3.3E-05				
NICKEL	2.6E-04	4.2E-04	2.1E-03	1.5E-03	9.5E-04	1.5E-03	1.4E-03	4.2E-04				
VANADIUM	2.8E-03	3.3E-03	5.1E-03	3.7E-03	2.4E-03	4.0E-03	4.7E-03	2.9E-03				
HEXAVALENT CHROMIUM	7.2E-04	7.4E-04	2.9E-03	1.6E-03	8.4E-04	1.6E-03	1.3E-03	7.8E-04				
TOTAL HAZARD INDEX	1.7E-02	2.0E-02	4.2E-02	3.4E-02	2.9E-02	5.2E-02	3.9E-02	2.2E-02	1.4E-03	1.3E-03	1.3E-03	1.3E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.6E-02	1.6E-02	8.5E-02	1.7E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02
AROCLOR-1260												
ANTIMONY	3.4E-02	3.8E-02	1.9E-02	3.8E-02	3.8E-02	7.6E-02	3.8E-02	3.8E-02				
ARSENIC	6.9E-02	6.9E-02	2.3E-01	6.9E-02	6.9E-02	2.3E-01	2.8E-01	6.9E-02				
CADMIUM	1.2E-03	1.1E-02	2.2E-02	4.9E-02	1.9E-02	8.1E-02	1.9E-02	4.1E-03				
COBALT	1.8E-01	2.1E-01	3.9E-01	3.7E-01	2.6E-01	5.1E-01	2.9E-01	2.4E-01				
IRON												
LEAD												
MERCURY	1.8E-03	4.2E-03	5.4E-03	3.0E-02	4.2E-03	2.9E-02	1.1E-02	6.6E-03				
MOLYBDENUM	6.6E-04	6.6E-04	2.6E-03	7.9E-04	7.9E-04	1.3E-03	1.3E-03	7.9E-04				
NICKEL	2.7E-03	4.4E-03	2.2E-02	1.5E-02	9.8E-03	1.5E-02	1.4E-02	4.4E-03				
VANADIUM	6.7E-02	7.8E-02	1.2E-01	8.8E-02	5.7E-02	9.4E-02	1.1E-01	6.9E-02				
HEXAVALENT CHROMIUM	6.3E-03	6.5E-03	2.5E-02	1.4E-02	7.4E-03	1.4E-02	1.2E-02	6.9E-03				
TOTAL HAZARD INDEX	3.6E-01	4.3E-01	8.5E-01	6.9E-01	5.5E-01	1.1E+00	7.9E-01	4.5E-01	1.7E-02	1.6E-02	1.7E-02	1.6E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-386	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395	SB-396
SAMPLE ID	SB-386-0102	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102	SB-396-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.3E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.2E-03	1.3E-03	1.4E-03	1.4E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.2E-03	1.3E-03	1.4E-03	1.4E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.7E-02
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.7E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404	SB-405	SB-406	SB-407
SAMPLE ID	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102	SB-405-0102	SB-406-0102	SB-407-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.2E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.5E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.5E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.8E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.9E-02
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.8E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-408	SB-409	SB-489
SAMPLE ID	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	1	1	1
BOTTOM DEPTH	2	2	2
INDUSTRIAL			
BAP EQUIVALENT-HALFND			
AROCLOR-1254	1.4E-03	1.5E-03	1.4E-03
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	1.4E-03	1.5E-03	1.4E-03
RESIDENTIAL			
BAP EQUIVALENT-HALFND			
AROCLOR-1254	1.8E-02	1.9E-02	1.8E-02
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	1.8E-02	1.9E-02	1.8E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-055	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE
SAMPLE ID	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6	7	8	9	3	4
BOTTOM DEPTH	10	10	3	4	5	6	7	8	9	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.3E-07	2.9E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.3E-07	2.9E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-06	6.4E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-06	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-266RE	SB-266RE	SB-267RE	SB-267RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE
SAMPLE ID	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7
SAMPLE DATE	20090921	20090921	20090921	20090921	20091006	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	10	3	4	5	6	7
BOTTOM DEPTH	3	4	3	4	10	3	4	5	6	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND	8.7E-09	2.6E-09	2.6E-09	2.6E-09	1.5E-06	2.6E-05	2.6E-06	1.0E-06	4.8E-06	2.5E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	1.0E-08	9.5E-09								
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.9E-08	1.2E-08	2.6E-09	2.6E-09	1.5E-06	2.6E-05	2.6E-06	1.0E-06	4.8E-06	2.5E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.9E-07	5.6E-08	5.6E-08	5.6E-08	3.3E-05	5.7E-04	5.6E-05	2.2E-05	1.0E-04	5.3E-05
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	5.0E-08	4.7E-08								
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.4E-07	1.0E-07	5.6E-08	5.6E-08	3.3E-05	5.7E-04	5.6E-05	2.2E-05	1.0E-04	5.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383
SAMPLE ID	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4
SAMPLE DATE	20090921	20090921	20091006	20091006	20090921	20090921	20090921	20090921	20090918	20090918
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	7	7	8	9	3	4	3	4	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	6.5E-06	1.1E-05	1.7E-08	4.0E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.5E-06	1.1E-05	1.7E-08	4.0E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.4E-04	2.3E-04	3.6E-07	8.7E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.4E-04	2.3E-04	3.6E-07	8.7E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390	SB-390	SB-393	SB-393	SB-393
SAMPLE ID	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	3	4	6	7	3	4	5
BOTTOM DEPTH	3	4	5	3	4	6	7	3	4	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.1E-06	2.6E-09	1.0E-07
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.1E-06	2.6E-09	1.0E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.5E-05	5.6E-08	2.2E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.5E-05	5.6E-08	2.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405	SB-405	SB-628	SB-629
SAMPLE ID	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10	F-SB-405RE-9	F-SB-628-10	F-SB-629-10
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090922	20090922	20090918	20090918
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	7	6	7	10	9	10	10
BOTTOM DEPTH	5	5	6	7	6	7	10	9	10	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.5E-07	2.0E-07	2.6E-09	2.6E-09	1.3E-07	8.6E-08	1.0E-07	8.9E-06	2.8E-09	2.8E-09
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-07	2.0E-07	2.6E-09	2.6E-09	1.3E-07	8.6E-08	1.0E-07	8.9E-06	2.8E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.3E-06	4.4E-06	5.6E-08	5.6E-08	2.7E-06	1.9E-06	2.3E-06	1.9E-04	6.0E-08	6.0E-08
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.3E-06	4.4E-06	5.6E-08	5.6E-08	2.7E-06	1.9E-06	2.3E-06	1.9E-04	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-630	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-630-10	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	10	9	10	9	10	9	10	10	10	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.2E-07	9.2E-09	2.9E-09	2.8E-09	3.1E-09	1.0E-08	2.6E-09	6.0E-08	1.2E-07	9.5E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.2E-07	9.2E-09	2.9E-09	2.8E-09	3.1E-09	1.0E-08	2.6E-09	6.0E-08	1.2E-07	9.5E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	4.9E-06	2.0E-07	6.4E-08	6.0E-08	6.8E-08	2.2E-07	5.6E-08	1.3E-06	2.5E-06	2.1E-05
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	4.9E-06	2.0E-07	6.4E-08	6.0E-08	6.8E-08	2.2E-07	5.6E-08	1.3E-06	2.5E-06	2.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.1E-08	9.6E-08	1.8E-07	4.7E-07	7.6E-07	2.8E-09	2.8E-09	2.8E-09	4.0E-07	3.5E-07	3.0E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260									1.1E-08	1.1E-08	1.1E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.1E-08	9.6E-08	1.8E-07	4.7E-07	7.6E-07	2.8E-09	2.8E-09	2.8E-09	4.1E-07	3.6E-07	3.1E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.0E-06	2.1E-06	3.9E-06	1.0E-05	1.6E-05	6.0E-08	6.0E-08	6.0E-08	8.7E-06	7.6E-06	6.5E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260									5.4E-08	5.4E-08	5.4E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-06	2.1E-06	3.9E-06	1.0E-05	1.6E-05	6.0E-08	6.0E-08	6.0E-08	8.8E-06	7.7E-06	6.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-06	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.7E-08										
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-05	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.3E-07										
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-05	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	1.3E-07	2.6E-09	1.2E-07	2.6E-09	2.8E-09	1.3E-08	2.4E-07	2.6E-09	2.8E-09	2.7E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260							1.0E-08	1.0E-08			
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	1.3E-07	2.6E-09	1.2E-07	2.6E-09	2.8E-09	2.3E-08	2.5E-07	2.6E-09	2.8E-09	2.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-05	2.9E-06	5.6E-08	2.5E-06	5.6E-08	6.0E-08	2.8E-07	5.1E-06	5.6E-08	6.0E-08	5.8E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260							5.2E-08	5.2E-08			
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-05	2.9E-06	5.6E-08	2.5E-06	5.6E-08	6.0E-08	3.3E-07	5.2E-06	5.6E-08	6.0E-08	5.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639	SB-640	SB-640	SB-641
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5	F-SB-640-3	F-SB-640-5	F-SB-641-3
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007	20091007	20091007	20091006
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5	3	5	3
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5	3	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	8.4E-09	2.6E-09	2.6E-09	2.6E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	1.3E-08	1.3E-08	1.3E-08	1.2E-08	1.3E-08	1.8E-08	1.3E-08	1.3E-08	2.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	1.8E-07	5.6E-08	5.6E-08	5.6E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				5.0E-08	5.0E-08	5.0E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	2.3E-07	1.1E-07	1.1E-07	5.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A
SAMPLE ID	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5
SAMPLE DATE	20091006	20091104	20091104	20091104	20091019	20091019	20091019	20091019	20091019	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	3	3	3	3	3	5	7	9	3	5
BOTTOM DEPTH	5	3	3	3	3	3	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	9.6E-08	2.6E-09	2.0E-06	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	9.6E-08	2.6E-09	2.0E-06	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.1E-06	5.6E-08	4.3E-05	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.1E-06	5.6E-08	4.3E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642A	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-7	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7	F-SB-642C-7-AVG	F-SB-642C-7-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	7.0E-07	3.4E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.7E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	7.0E-07	3.4E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.7E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	1.5E-05	7.4E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.8E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	1.5E-05	7.4E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.8E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B
SAMPLE ID	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9
SAMPLE DATE	20091104	20091016	20091016	20091016	20091016	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	7	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.7E-09	2.6E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.7E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.8E-08	5.6E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.8E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-643C	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645	SB-645
SAMPLE ID	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3	F-SB-645-5
SAMPLE DATE	20091105	20091105	20091105	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.4E-08	7.9E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.4E-08	7.9E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	6.7E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.2E-07	1.7E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	6.7E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.2E-07	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646	SB-646	SB-646	SB-646	SB-646
SAMPLE ID	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7
SAMPLE DATE	20091006	20091105	20091105	20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	3	3	3	3	3	3	3	5	7
BOTTOM DEPTH	7	3	3	3	3	3	3	3	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.9E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.9E-09	4.2E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.9E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.9E-09	4.2E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-07	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.4E-08	9.0E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-07	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.4E-08	9.0E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-647	SB-647	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091006	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	5	7	3	3	3	3	5	7	3	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.0E-09	4.2E-09	3.6E-09	2.8E-09	2.8E-09	2.0E-07	3.6E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.0E-09	4.2E-09	3.6E-09	2.8E-09	2.8E-09	2.0E-07	3.6E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.6E-08	9.0E-08	7.9E-08	6.0E-08	6.0E-08	4.4E-06	7.9E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.6E-08	9.0E-08	7.9E-08	6.0E-08	6.0E-08	4.4E-06	7.9E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652	SB-652	SB-652A	SB-652A	SB-652A
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019	20091019	20091105	20091105	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.6E-09	3.6E-09	3.6E-09	2.6E-09	2.6E-09	1.2E-07	1.4E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				1.0E-08	1.0E-08	1.0E-08	1.0E-08					
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-09	3.6E-09	3.6E-09	1.3E-08	1.3E-08	1.3E-07	1.4E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	7.9E-08	7.9E-08	7.9E-08	5.6E-08	5.6E-08	2.5E-06	2.9E-05	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				5.0E-08	5.0E-08	5.0E-08	5.0E-08					
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	7.9E-08	7.9E-08	1.1E-07	1.1E-07	2.6E-06	2.9E-05	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-652B	SB-652B	SB-652B	SB-652C	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	3	3
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.4E-09	9.0E-07	7.1E-08	3.9E-08	6.1E-09
NAPHTHALENE											
NAPHTHALENE							8.0E-11	8.7E-11	8.2E-11	7.9E-11	7.6E-11
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.5E-09	9.0E-07	7.2E-08	3.9E-08	6.1E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.4E-07	1.9E-05	1.5E-06	8.4E-07	1.3E-07
NAPHTHALENE											
NAPHTHALENE							4.0E-10	4.4E-10	4.1E-10	4.0E-10	3.8E-10
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.4E-07	1.9E-05	1.5E-06	8.4E-07	1.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-798	SB-799	SB-799	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024	SB-025	SB-025	SB-026	SB-027	SB-028
SAMPLE ID	F-SB-798-05	F-SB-799-03	F-SB-799-05	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10
SAMPLE DATE	20100820	20100820	20100820	20031117	20031117	20031118	20031118	20031117	20031117	20031117	20031117	20031117	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	5	10	5	10	5	10	5	10	10	10	10
BOTTOM DEPTH	5	3	5	5	10	5	10	5	10	5	10	10	10	10
INDUSTRIAL														
BAP EQUIVALENT-HALFND	6.2E-09	6.2E-09	6.4E-09	6.9E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	6.8E-07	6.9E-07			
NAPHTHALENE				1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.5E-10	1.5E-10	1.3E-10
NAPHTHALENE	7.8E-11	7.8E-11	8.0E-11											
AROCLOR-1260				3.0E-08	2.9E-08	2.9E-08	2.9E-08	3.1E-08	2.9E-08	2.9E-08	2.9E-08			
ARSENIC				1.1E-06	9.9E-07	5.5E-07	3.7E-07	1.3E-06	8.4E-07	3.4E-07	6.2E-07			
COBALT														
LEAD														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				3.6E-07	4.4E-07	1.5E-07		3.6E-07	3.3E-07	3.0E-07	4.4E-07			
TOTAL CANCER RISK	6.3E-09	6.3E-09	6.5E-09	2.1E-06	2.1E-06	1.4E-06	1.1E-06	2.3E-06	1.9E-06	1.3E-06	1.8E-06	1.5E-10	1.5E-10	1.3E-10
RESIDENTIAL														
BAP EQUIVALENT-HALFND	1.4E-07	1.4E-07	1.4E-07	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05			
NAPHTHALENE				6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	7.6E-10	7.6E-10	6.5E-10
NAPHTHALENE	3.9E-10	3.9E-10	4.0E-10											
AROCLOR-1260				1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07			
ARSENIC				8.3E-06	7.7E-06	4.3E-06	2.8E-06	1.0E-05	6.6E-06	2.6E-06	4.8E-06			
COBALT														
LEAD														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				5.4E-06	6.6E-06	2.2E-06		5.4E-06	5.0E-06	4.5E-06	6.6E-06			
TOTAL CANCER RISK	1.4E-07	1.4E-07	1.4E-07	2.9E-05	2.9E-05	2.1E-05	1.8E-05	3.0E-05	2.7E-05	2.2E-05	2.7E-05	7.6E-10	7.6E-10	6.5E-10

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094
SAMPLE ID	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5	F-SB-93RE-6	F-SB-93RE-7	F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3
SAMPLE DATE	20031117	20031118	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	10	5	10	3	4	5	6	7	8	9	10	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND		6.6E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09
NAPHTHALENE	1.5E-10	1.3E-10										
NAPHTHALENE												
AROCLOR-1260		2.9E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC		3.6E-07										
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM		5.2E-07										
TOTAL CANCER RISK	1.5E-10	1.6E-06	1.3E-08	1.2E-08	1.3E-08	1.3E-07	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND		1.4E-05	5.6E-08	5.6E-08	5.6E-08	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08
NAPHTHALENE	7.6E-10	6.5E-10										
NAPHTHALENE												
AROCLOR-1260		1.4E-07	5.0E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
ARSENIC		2.8E-06										
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM		7.9E-06										
TOTAL CANCER RISK	7.6E-10	2.5E-05	1.1E-07	1.0E-07	1.1E-07	2.8E-06	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095
SAMPLE ID	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090918	20090918	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	10	3	4	5	6	7
BOTTOM DEPTH	4	5	6	7	8	9	10	3	4	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	1.0E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08						
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-08	1.3E-08	9.5E-08	1.3E-08	1.3E-08	1.3E-08	1.0E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	2.2E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08						
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-07	1.1E-07	1.9E-06	1.1E-07	1.1E-07	1.1E-07	2.2E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-095	SB-095	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237
SAMPLE ID	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05
SAMPLE DATE	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	10	3	4	5	6	7	8	9	5	5
BOTTOM DEPTH	8	9	10	3	4	5	6	7	8	9	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.5E-07	2.6E-09	2.8E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.2E-08		
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC											2.6E-06	3.7E-07
COBALT											1.4E-09	1.8E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											5.7E-07	6.8E-07
TOTAL CANCER RISK	2.8E-09	2.5E-07	2.6E-09	2.8E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.2E-08	3.1E-06	1.0E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.4E-06	5.6E-08	6.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.3E-06		
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC											2.0E-05	2.8E-06
COBALT											7.1E-09	9.2E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											8.5E-06	1.0E-05
TOTAL CANCER RISK	6.0E-08	5.4E-06	5.6E-08	6.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.3E-06	2.8E-05	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-238	SB-295	SB-295	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382
SAMPLE ID	SB-238-05	SB-295-0405	SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203
SAMPLE DATE	20050517	20051101	20051101	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	9	4	9	4	9	4	9	4	9	2
BOTTOM DEPTH	5	5	10	5	10	5	10	5	10	5	10	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.0E-05	6.9E-07	6.8E-07	7.1E-07	6.8E-07	6.6E-07	6.8E-07	6.8E-07	6.9E-07	6.6E-07	6.8E-07	2.9E-09
NAPHTHALENE	6.9E-06	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	
NAPHTHALENE												
AROCLOR-1260	1.9E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.1E-08
ARSENIC	1.1E-06	1.7E-06	1.1E-06	2.1E-06	8.8E-07	1.2E-06	1.1E-06	1.3E-06	7.3E-07	4.8E-07	8.1E-07	
COBALT	3.4E-09	3.6E-10	1.9E-09	7.3E-09	1.4E-09	1.4E-09	2.0E-09	1.8E-09	1.2E-09	2.5E-09	2.1E-09	
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.6E-07	6.9E-07	8.0E-07	1.1E-06	5.8E-07	7.2E-07	5.3E-07	4.5E-07	1.1E-06	5.1E-07	4.4E-07	
TOTAL CANCER RISK	1.9E-05	3.1E-06	2.5E-06	3.9E-06	2.1E-06	2.6E-06	2.3E-06	2.4E-06	2.5E-06	1.7E-06	1.9E-06	2.4E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.2E-04	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	6.4E-08
NAPHTHALENE	3.5E-05	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	
NAPHTHALENE												
AROCLOR-1260	9.7E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.1E-07
ARSENIC	8.5E-06	1.3E-05	8.3E-06	1.6E-05	6.8E-06	9.4E-06	8.5E-06	1.0E-05	5.7E-06	3.7E-06	6.3E-06	
COBALT	1.7E-08	1.8E-09	9.7E-09	3.7E-08	6.9E-09	6.9E-09	1.0E-08	9.2E-09	6.1E-09	1.3E-08	1.1E-08	
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.9E-06	1.0E-05	1.2E-05	1.6E-05	8.7E-06	1.1E-05	7.9E-06	6.7E-06	1.6E-05	7.7E-06	6.6E-06	
TOTAL CANCER RISK	2.8E-04	3.9E-05	3.5E-05	4.8E-05	3.0E-05	3.5E-05	3.1E-05	3.1E-05	3.7E-05	2.6E-05	2.8E-05	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-382	SB-382	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385
SAMPLE ID	SB-382-0405	SB-382-0708	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	1.8E-07	1.3E-07	3.5E-08	2.6E-09	2.6E-09	2.9E-09	2.4E-09	2.4E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.0E-08	2.1E-08	1.9E-08	2.1E-08	2.0E-08	1.9E-08	1.9E-08	2.1E-08	1.8E-08	1.8E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.3E-08	2.4E-08	2.0E-07	1.5E-07	5.5E-08	2.2E-08	2.2E-08	2.4E-08	2.0E-08	2.0E-08	2.2E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	3.8E-06	2.9E-06	7.5E-07	5.6E-08	5.6E-08	6.4E-08	5.3E-08	5.3E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.0E-07	1.0E-07	9.4E-08	1.0E-07	9.9E-08	9.4E-08	9.7E-08	1.1E-07	8.9E-08	8.9E-08	9.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-07	1.6E-07	3.9E-06	3.0E-06	8.5E-07	1.5E-07	1.5E-07	1.7E-07	1.4E-07	1.4E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-386	SB-386	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389
SAMPLE ID	SB-386-0203	SB-386-0405	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.6E-09	1.1E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.8E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.9E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-08	2.1E-08	2.2E-08	2.0E-08	2.2E-08	2.1E-08	2.2E-08	2.0E-08	2.1E-08	2.2E-08	1.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.6E-08	2.5E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.2E-08	9.2E-08	9.7E-08	8.9E-08	9.7E-08	9.2E-08	9.4E-08	8.9E-08	9.2E-08	9.7E-08	9.4E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	2.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-389	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	SB-389-0708	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10
SAMPLE DATE	20071015	20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	10	5	10	5	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	8	5	10	5	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL															
BAP EQUIVALENT-HALFND	3.4E-08			7.1E-07	1.6E-06					2.2E-06	4.3E-06				
NAPHTHALENE				1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10		1.3E-10	1.3E-10	1.3E-10	1.3E-10
NAPHTHALENE											2.5E-09				
AROCLOR-1260	1.9E-08			1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07
ARSENIC		3.5E-07	4.4E-07	7.0E-07	2.1E-07	9.7E-08	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	1.1E-07	1.1E-07	9.5E-08	1.1E-07
COBALT															
LEAD															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM		3.6E-07	1.6E-07	4.1E-07	2.3E-07	4.1E-07	2.8E-07	5.5E-07	2.7E-07	3.9E-07	5.5E-07	5.2E-07	2.6E-07	3.6E-08	4.7E-07
TOTAL CANCER RISK	5.3E-08	7.1E-07	6.0E-07	2.0E-06	2.2E-06	6.5E-07	5.2E-07	8.0E-07	5.2E-07	2.9E-06	5.1E-06	7.8E-07	5.2E-07	2.8E-07	7.2E-07
RESIDENTIAL															
BAP EQUIVALENT-HALFND	7.3E-07			1.5E-05	3.5E-05					4.9E-05	9.3E-05				
NAPHTHALENE				6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10		6.5E-10	6.5E-10	6.5E-10	6.5E-10
NAPHTHALENE											1.3E-08				
AROCLOR-1260	9.4E-08			7.4E-07	7.7E-07	6.9E-07	6.9E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.4E-07	7.2E-07	7.2E-07	7.2E-07
ARSENIC		2.7E-06	3.4E-06	5.4E-06	1.7E-06	7.6E-07	8.3E-07	8.4E-07	8.0E-07	8.3E-07	7.8E-07	8.3E-07	8.4E-07	7.4E-07	8.4E-07
COBALT															
LEAD															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM		5.4E-06	2.4E-06	6.2E-06	3.5E-06	6.2E-06	4.1E-06	8.3E-06	4.1E-06	5.8E-06	8.3E-06	7.9E-06	4.0E-06	5.4E-07	7.0E-06
TOTAL CANCER RISK	8.2E-07	8.1E-06	5.8E-06	2.8E-05	4.1E-05	7.6E-06	5.7E-06	9.8E-06	5.6E-06	5.6E-05	1.0E-04	9.4E-06	5.5E-06	2.0E-06	8.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-390	SB-390	SB-390	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393
SAMPLE ID	SB-390-0203	SB-390-0405	SB-390-0708	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405
SAMPLE DATE	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-09	3.4E-06	2.8E-09	3.5E-09	2.6E-09	2.6E-09	2.6E-09	6.9E-08	2.6E-09	2.4E-09	2.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.1E-08	2.0E-08	2.0E-08	2.5E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.8E-08	1.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-08	3.4E-06	2.3E-08	2.8E-08	2.2E-08	2.2E-08	2.1E-08	8.9E-08	2.2E-08	2.0E-08	4.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.4E-08	7.4E-05	6.0E-08	7.5E-08	5.6E-08	5.6E-08	5.6E-08	1.5E-06	5.6E-08	5.3E-08	5.6E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.0E-07	9.9E-08	9.9E-08	1.2E-07	9.4E-08	9.7E-08	9.2E-08	9.7E-08	9.7E-08	8.9E-08	8.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-07	7.4E-05	1.6E-07	2.0E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-06	1.5E-07	1.4E-07	6.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-393	SB-394	SB-394	SB-394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397
SAMPLE ID	SB-393-0708	SB-394-0203	SB-394-0405	SB-394-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	8.7E-08	2.6E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.7E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-08	1.0E-07	2.2E-08	2.2E-08	1.9E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.1E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	1.9E-06	5.6E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.4E-08	8.9E-08	9.4E-08	9.4E-08	8.4E-08	9.4E-08	9.4E-08	9.4E-08	9.7E-08	9.7E-08	9.2E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	2.0E-06	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-397	SB-397	SB-398	SB-398	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400
SAMPLE ID	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-06	2.6E-09	1.1E-07	2.6E-09	2.6E-09	2.4E-09	7.6E-08	2.8E-09	2.4E-09	2.6E-09	2.8E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.0E-08	1.8E-08	1.9E-08	2.0E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-06	2.2E-08	1.3E-07	2.1E-08	2.2E-08	2.1E-08	9.6E-08	2.3E-08	2.0E-08	2.2E-08	2.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.4E-05	5.6E-08	2.5E-06	5.6E-08	5.6E-08	5.3E-08	1.7E-06	6.0E-08	5.3E-08	5.6E-08	6.0E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.4E-08	9.7E-08	9.4E-08	9.2E-08	9.4E-08	9.2E-08	9.7E-08	9.9E-08	8.9E-08	9.7E-08	1.0E-07
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.4E-05	1.5E-07	2.6E-06	1.5E-07	1.5E-07	1.4E-07	1.7E-06	1.6E-07	1.4E-07	1.5E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-401	SB-401	SB-401	SB-402	SB-402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404
SAMPLE ID	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-402-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	6.2E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.8E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	2.0E-08	2.0E-08	2.1E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-08	2.3E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.1E-08	2.2E-08	2.3E-08	2.3E-08	8.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	1.4E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.2E-08	9.9E-08	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.2E-08	9.7E-08	9.9E-08	1.0E-07	1.0E-07
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-404	SB-405	SB-405	SB-405	SB-406	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408
SAMPLE ID	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.5E-07	2.4E-09	1.1E-06	8.0E-07	1.1E-06	2.1E-07	2.9E-07	6.6E-07	3.8E-07	1.0E-07	1.7E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.1E-08	1.8E-08	2.0E-08	2.1E-08	2.1E-08	2.0E-08	2.1E-08	2.1E-08	2.2E-08	2.2E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-07	2.1E-08	1.2E-06	8.2E-07	1.1E-06	2.4E-07	3.2E-07	6.8E-07	4.0E-07	1.3E-07	1.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.4E-06	5.3E-08	2.5E-05	1.7E-05	2.4E-05	4.7E-06	6.4E-06	1.4E-05	8.3E-06	2.3E-06	3.8E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.1E-07	9.2E-08	9.9E-08	1.1E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.1E-07	1.1E-07	9.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.5E-06	1.4E-07	2.5E-05	1.7E-05	2.4E-05	4.8E-06	6.5E-06	1.4E-05	8.4E-06	2.4E-06	3.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-408	SB-408	SB-409	SB-409	SB-409	SB-489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-489-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	5	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.2E-08	2.8E-09	2.8E-09	2.3E-07	3.1E-09	9.0E-07	3.4E-08	7.3E-08	3.8E-07	1.1E-07
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	1.5E-08	2.0E-08	2.0E-08	2.1E-08	2.2E-08	2.1E-08	2.1E-08	2.2E-08	2.1E-08	1.9E-08
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.7E-08	2.3E-08	2.3E-08	2.5E-07	2.6E-08	9.2E-07	5.5E-08	9.5E-08	4.0E-07	1.3E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	9.0E-07	6.0E-08	6.0E-08	5.0E-06	6.8E-08	2.0E-05	7.4E-07	1.6E-06	8.3E-06	2.3E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	7.4E-08	1.0E-07	9.9E-08	1.0E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	9.4E-08
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	9.8E-07	1.6E-07	1.6E-07	5.1E-06	1.8E-07	2.0E-05	8.4E-07	1.7E-06	8.4E-06	2.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-024A	SB-024A	SB-024A	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-797
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-797-03
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	3	4	5	3	3	3	3	3
BOTTOM DEPTH	3	4	5	3	4	5	3	3	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE											2.3E-06
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.0E-04	3.9E-04	4.9E-05	2.8E-03	2.4E-03	4.5E-05	6.1E-04	4.7E-03	4.0E-03	3.4E-03	
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.0E-04	3.9E-04	4.9E-05	2.8E-03	2.4E-03	4.5E-05	6.1E-04	4.7E-03	4.0E-03	3.4E-03	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE											1.1E-05
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.1E-03	5.0E-03	6.3E-04	3.6E-02	3.0E-02	5.7E-04	7.8E-03	6.0E-02	5.1E-02	4.3E-02	
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.1E-03	5.0E-03	6.3E-04	3.6E-02	3.0E-02	5.7E-04	7.8E-03	6.0E-02	5.1E-02	4.3E-02	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-797	SB-798	SB-798	SB-798	SB-798	SB-799	SB-799	SB-800	SB-800	SB-801	SB-802
SAMPLE ID	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05-AVG	F-SB-801-03	F-SB-802-03
SAMPLE DATE	20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	AVG	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	3	3	5	3	5	3	5	3	3
BOTTOM DEPTH	5	3	3	3	5	3	5	3	5	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE	2.5E-06	2.4E-06	2.3E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06				
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY								8.5E-03	8.2E-05	3.2E-03	4.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	2.4E-06	2.3E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	8.5E-03	8.2E-05	3.2E-03	4.2E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE	1.2E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05				
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY								1.1E-01	1.0E-03	4.1E-02	5.3E-02
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-01	1.0E-03	4.1E-02	5.3E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024	SB-025	SB-025	SB-026	SB-027	SB-028
SAMPLE ID	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10
SAMPLE DATE	20031117	20031117	20031118	20031118	20031117	20031117	20031117	20031117	20031117	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	10	10	10
BOTTOM DEPTH	5	10	5	10	5	10	5	10	10	10	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.4E-06	4.4E-06	3.8E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC	6.6E-03	6.2E-03	3.4E-03	2.3E-03	8.0E-03	5.2E-03	2.1E-03	3.9E-03			
COBALT											
LEAD											
MERCURY	2.8E-04	2.8E-04	2.8E-04	2.8E-04	4.4E-03	8.0E-04	2.8E-04	2.8E-04			
VANADIUM											
HEXAVALENT CHROMIUM	6.7E-04	8.2E-04	2.7E-04		6.7E-04	6.1E-04	5.6E-04	8.2E-04			
TOTAL HAZARD INDEX	7.6E-03	7.3E-03	4.0E-03	2.6E-03	1.3E-02	6.7E-03	2.9E-03	5.0E-03	4.4E-06	4.4E-06	3.8E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05	2.1E-05	1.8E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC	1.3E-01	1.2E-01	6.9E-02	4.6E-02	1.6E-01	1.1E-01	4.3E-02	7.9E-02			
COBALT											
LEAD											
MERCURY	3.6E-03	3.6E-03	3.6E-03	3.6E-03	5.6E-02	1.0E-02	3.6E-03	3.6E-03			
VANADIUM											
HEXAVALENT CHROMIUM	5.9E-03	7.2E-03	2.4E-03		5.9E-03	5.4E-03	5.0E-03	7.2E-03			
TOTAL HAZARD INDEX	1.4E-01	1.4E-01	7.5E-02	5.0E-02	2.2E-01	1.2E-01	5.1E-02	8.9E-02	2.1E-05	2.1E-05	1.8E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-029	SB-030	SB-236	SB-237	SB-238	SB-295	SB-295	SB-296	SB-296	SB-297	SB-297	SB-298
SAMPLE ID	SB-29-10	SB-30-05	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405
SAMPLE DATE	20031117	20031118	20050509	20050509	20050517	20051101	20051101	20051028	20051028	20051028	20051028	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	4	9	4	9	4	9	4
BOTTOM DEPTH	10	5	5	5	5	5	10	5	10	5	10	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.4E-06	3.8E-06			2.0E-01	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC		2.3E-03	1.6E-02	2.3E-03	6.8E-03	1.0E-02	6.6E-03	1.3E-02	5.5E-03	7.5E-03	6.8E-03	8.0E-03
COBALT			1.2E-02	1.5E-02	2.7E-02	3.0E-03	1.6E-02	6.0E-02	1.1E-02	1.1E-02	1.6E-02	1.5E-02
LEAD												
MERCURY		2.8E-04	4.6E-03	4.7E-05	3.3E-04	4.7E-05	2.4E-05	9.4E-05	4.7E-05	2.4E-05	2.4E-05	2.4E-05
VANADIUM			3.0E-03	3.9E-03	3.8E-03	4.5E-03	3.6E-03	6.8E-03	3.6E-03	3.9E-03	3.5E-03	3.1E-03
HEXAVALENT CHROMIUM		9.7E-04	1.1E-03	1.3E-03	1.2E-03	1.3E-03	1.5E-03	2.0E-03	1.1E-03	1.3E-03	9.8E-04	8.4E-04
TOTAL HAZARD INDEX	4.4E-06	3.5E-03	3.6E-02	2.2E-02	2.4E-01	1.9E-02	2.8E-02	8.2E-02	2.1E-02	2.4E-02	2.8E-02	2.7E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.1E-05	1.8E-05			9.3E-01	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC		4.6E-02	3.2E-01	4.6E-02	1.4E-01	2.1E-01	1.3E-01	2.6E-01	1.1E-01	1.5E-01	1.4E-01	1.6E-01
COBALT			2.7E-01	3.5E-01	6.5E-01	7.0E-02	3.7E-01	1.4E+00	2.6E-01	2.6E-01	3.8E-01	3.5E-01
LEAD												
MERCURY		3.6E-03	5.8E-02	6.0E-04	4.2E-03	6.0E-04	3.0E-04	1.2E-03	6.0E-04	3.0E-04	3.0E-04	3.0E-04
VANADIUM			7.1E-02	9.2E-02	9.0E-02	1.1E-01	8.5E-02	1.6E-01	8.6E-02	9.3E-02	8.4E-02	7.5E-02
HEXAVALENT CHROMIUM		8.6E-03	9.3E-03	1.1E-02	1.1E-02	1.1E-02	1.3E-02	1.7E-02	9.5E-03	1.2E-02	8.7E-03	7.4E-03
TOTAL HAZARD INDEX	2.1E-05	5.8E-02	7.3E-01	5.0E-01	1.8E+00	4.0E-01	6.1E-01	1.9E+00	4.7E-01	5.2E-01	6.1E-01	5.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-298	SB-299	SB-299	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	SB-298-0910	SB-299-0405	SB-299-0910	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05
SAMPLE DATE	20051101	20051101	20051101	20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.8E-06	3.8E-06	3.8E-06			3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC	4.6E-03	3.0E-03	5.0E-03	2.2E-03	2.7E-03	4.3E-03	1.3E-03	6.0E-04	6.6E-04	6.7E-04	6.4E-04	6.6E-04
COBALT	9.8E-03	2.0E-02	1.7E-02									
LEAD												
MERCURY	2.4E-05	2.4E-05	2.4E-05	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	2.8E-04	2.6E-04	2.8E-04
VANADIUM	5.1E-03	3.0E-03	2.3E-03									
HEXAVALENT CHROMIUM	2.0E-03	9.5E-04	8.2E-04	6.7E-04	3.0E-04	7.7E-04	4.3E-04	7.7E-04	5.1E-04	1.0E-03	5.1E-04	7.2E-04
TOTAL HAZARD INDEX	2.2E-02	2.7E-02	2.5E-02	3.1E-03	3.3E-03	5.4E-03	2.0E-03	1.6E-03	1.5E-03	2.0E-03	1.4E-03	1.7E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.8E-05	1.8E-05	1.8E-05			1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC	9.2E-02	6.0E-02	1.0E-01	4.4E-02	5.5E-02	8.8E-02	2.7E-02	1.2E-02	1.3E-02	1.4E-02	1.3E-02	1.3E-02
COBALT	2.3E-01	4.8E-01	4.1E-01									
LEAD												
MERCURY	3.0E-04	3.0E-04	3.0E-04	3.3E-03	3.3E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	3.6E-03	3.3E-03	3.6E-03
VANADIUM	1.2E-01	7.1E-02	5.4E-02									
HEXAVALENT CHROMIUM	1.8E-02	8.4E-03	7.2E-03	5.9E-03	2.6E-03	6.8E-03	3.8E-03	6.8E-03	4.5E-03	9.0E-03	4.5E-03	6.3E-03
TOTAL HAZARD INDEX	4.6E-01	6.2E-01	5.7E-01	5.4E-02	6.1E-02	9.8E-02	3.4E-02	2.2E-02	2.2E-02	2.6E-02	2.1E-02	2.3E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10
INDUSTRIAL					
BAP EQUIVALENT-HALFND					
NAPHTHALENE		3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE	7.3E-05				
AROCLOR-1260					
ARSENIC	6.3E-04	6.6E-04	6.7E-04	5.9E-04	6.7E-04
COBALT					
LEAD					
MERCURY	2.6E-04	2.8E-04	2.8E-04	2.4E-04	2.8E-04
VANADIUM					
HEXAVALENT CHROMIUM	1.0E-03	9.7E-04	4.9E-04	6.7E-05	8.7E-04
TOTAL HAZARD INDEX	2.0E-03	1.9E-03	1.5E-03	9.0E-04	1.8E-03
RESIDENTIAL					
BAP EQUIVALENT-HALFND					
NAPHTHALENE		1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE	3.4E-04				
AROCLOR-1260					
ARSENIC	1.3E-02	1.3E-02	1.4E-02	1.2E-02	1.4E-02
COBALT					
LEAD					
MERCURY	3.3E-03	3.6E-03	3.6E-03	3.0E-03	3.6E-03
VANADIUM					
HEXAVALENT CHROMIUM	9.0E-03	8.6E-03	4.3E-03	5.9E-04	7.7E-03
TOTAL HAZARD INDEX	2.5E-02	2.6E-02	2.2E-02	1.6E-02	2.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-055	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-093	SB-093
SAMPLE ID	F-SB-55RE-11	F-SB-56RE-11	F-SB-56RE-12	F-SB-56RE-13	F-SB-56RE-13-AVG	F-SB-56RE-13-D	F-SB-56RE-14	F-SB-56RE-15	SB-56-15	F-SB-93RE-11	F-SB-93RE-12
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20040913	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	12	13	13	13	14	15	15	11	12
BOTTOM DEPTH	11	11	12	13	13	13	14	15	15	11	12
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE									1.5E-11		
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE									1.9E-10		
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09		2.6E-09	2.6E-09
NAPHTHALENE									1.3E-10		
AROCLOR-1254									1.5E-07	1.0E-08	1.0E-08
AROCLOR-1260									1.5E-07	1.0E-08	1.0E-08
ANTIMONY											
ARSENIC									1.0E-07		
CADMIUM									6.4E-11		
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL									3.9E-11		
VANADIUM											
HEXAVALENT CHROMIUM									2.6E-07		
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	6.6E-07	2.3E-08	2.3E-08
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE									1.5E-10		
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE									9.8E-10		
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08		5.6E-08	5.6E-08
NAPHTHALENE									6.5E-10		
AROCLOR-1254									7.4E-07	5.0E-08	5.0E-08
AROCLOR-1260									7.4E-07	5.0E-08	5.0E-08
ANTIMONY											
ARSENIC									8.0E-07		
CADMIUM									1.3E-10		
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL									7.9E-11		
VANADIUM											
HEXAVALENT CHROMIUM									3.9E-06		
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.2E-06	1.6E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-095
SAMPLE ID	F-SB-93RE-13	F-SB-93RE-14	SB-93-15	F-SB-94RE-11	F-SB-94RE-12	F-SB-94RE-12-AVG	F-SB-94RE-12-D	F-SB-94RE-13	F-SB-94RE-14	F-SB-94RE-15	SB-94-15	F-SB-95RE-11
SAMPLE DATE	20090921	20090921	20040916	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20040916	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	12	12	12	13	14	15	15	11
BOTTOM DEPTH	13	14	15	11	12	12	12	13	14	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-11								1.5E-11	
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			1.9E-10								1.9E-10	
BAP EQUIVALENT-HALFND	8.2E-08	5.0E-08	6.9E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09		1.1E-08
NAPHTHALENE			1.3E-10								1.3E-10	
AROCLOR-1254	1.1E-08	1.0E-08	1.4E-07	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.5E-07	
AROCLOR-1260	1.1E-08	1.0E-08	1.4E-07	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.5E-07	
ANTIMONY												
ARSENIC			1.0E-07								1.1E-07	
CADMIUM			6.4E-11								6.8E-11	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			1.2E-10								1.3E-10	
VANADIUM												
HEXAVALENT CHROMIUM			5.0E-07								7.4E-07	
TOTAL CANCER RISK	1.0E-07	7.1E-08	1.6E-06	2.3E-08	2.2E-08	2.2E-08	2.2E-08	2.4E-08	2.4E-08	2.4E-08	1.2E-06	1.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-10								1.5E-10	
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			9.8E-10								9.8E-10	
BAP EQUIVALENT-HALFND	1.8E-06	1.1E-06	1.5E-05	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08		2.4E-07
NAPHTHALENE			6.5E-10								6.5E-10	
AROCLOR-1254	5.7E-08	5.2E-08	7.2E-07	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.2E-08	5.2E-08	5.2E-08	7.4E-07	
AROCLOR-1260	5.7E-08	5.2E-08	7.2E-07	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.2E-08	5.2E-08	5.2E-08	7.4E-07	
ANTIMONY												
ARSENIC			8.0E-07								8.4E-07	
CADMIUM			1.3E-10								1.4E-10	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			2.4E-10								2.6E-10	
VANADIUM												
HEXAVALENT CHROMIUM			7.4E-06								1.1E-05	
TOTAL CANCER RISK	1.9E-06	1.2E-06	2.5E-05	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07	1.3E-05	2.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096	SB-096	SB-096	SB-096
SAMPLE ID	F-SB-95RE-12	F-SB-95RE-13	F-SB-95RE-13-AVG	F-SB-95RE-13-D	F-SB-95RE-14	F-SB-95RE-15	F-SB-96RE-11	F-SB-96RE-11-AVG	F-SB-96RE-11-D	F-SB-96RE-12	F-SB-96RE-13
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	12	13	13	13	14	15	11	11	11	12	13
BOTTOM DEPTH	12	13	13	13	14	15	11	11	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.1E-07	1.1E-06	1.9E-06	2.4E-07	1.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	1.3E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.1E-07	1.1E-06	1.9E-06	2.4E-07	1.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	1.3E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	4.6E-06	2.3E-05	4.2E-05	5.2E-06	2.4E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	2.9E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	4.6E-06	2.3E-05	4.2E-05	5.2E-06	2.4E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	2.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-096	SB-096	SB-096	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-405	SB-405	SB-405
SAMPLE ID	F-SB-96RE-14	F-SB-96RE-15	SB-96-15	F-SB-268RE-11	F-SB-268RE-12	F-SB-268RE-13	F-SB-268RE-14	F-SB-268RE-15	F-SB-405RE-11	F-SB-405RE-12	F-SB-405RE-13
SAMPLE DATE	20090921	20090921	20040916	20091006	20091019	20091019	20091019	20091019	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	15	11	12	13	14	15	11	12	13
BOTTOM DEPTH	14	15	15	11	12	13	14	15	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE			1.5E-11								
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			1.9E-10								
BAP EQUIVALENT-HALFND	2.0E-07	2.6E-09		3.3E-07	2.6E-09	2.2E-05	4.9E-08	7.8E-08	1.5E-07	4.7E-08	1.8E-07
NAPHTHALENE			1.3E-10								
AROCLOR-1254			1.5E-07								
AROCLOR-1260			1.5E-07								
ANTIMONY											
ARSENIC			1.1E-07								
CADMIUM			6.8E-11								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL			9.8E-12								
VANADIUM											
HEXAVALENT CHROMIUM			4.1E-08								
TOTAL CANCER RISK	2.0E-07	2.6E-09	4.5E-07	3.3E-07	2.6E-09	2.2E-05	4.9E-08	7.8E-08	1.5E-07	4.7E-08	1.8E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE			1.5E-10								
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			9.8E-10								
BAP EQUIVALENT-HALFND	4.3E-06	5.6E-08		7.1E-06	5.6E-08	4.8E-04	1.1E-06	1.7E-06	3.4E-06	1.0E-06	4.0E-06
NAPHTHALENE			6.5E-10								
AROCLOR-1254			7.4E-07								
AROCLOR-1260			7.4E-07								
ANTIMONY											
ARSENIC			8.5E-07								
CADMIUM			1.4E-10								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL			2.0E-11								
VANADIUM											
HEXAVALENT CHROMIUM			6.2E-07								
TOTAL CANCER RISK	4.3E-06	5.6E-08	3.0E-06	7.1E-06	5.6E-08	4.8E-04	1.1E-06	1.7E-06	3.4E-06	1.0E-06	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-405	SB-405	SB-628	SB-629	SB-630	SB-631	SB-635	SB-635	SB-635	SB-635C	SB-635D	SB-642
SAMPLE ID	F-SB-405RE-13-AVG	F-SB-405RE-13-D	F-SB-628-11	F-SB-629-11	F-SB-630-11	F-SB-631-11	F-SB-635-11	F-SB-635-12	F-SB-635-13	F-SB-635C-11	F-SB-635D-11	F-SB-642-11
SAMPLE DATE	20090922	20090922	20090918	20090918	20090918	20090918	20090922	20090922	20090922	20091104	20091110	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	11	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	13	13	11	11	11	11	11	12	13	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	9.3E-08	4.2E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.3E-08	9.6E-08	2.8E-09	8.5E-08	2.6E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.3E-08	4.2E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.3E-08	9.6E-08	2.8E-09	8.5E-08	2.6E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.0E-06	9.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.7E-07	2.1E-06	6.0E-08	1.8E-06	5.6E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-06	9.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.7E-07	2.1E-06	6.0E-08	1.8E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642	SB-642	SB-642A	SB-642A	SB-642A	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-643
SAMPLE ID	F-SB-642-13	F-SB-642-15	F-SB-642A-11	F-SB-642A-13	F-SB-642A-15	F-SB-642B-11	F-SB-642B-13	F-SB-642B-15	F-SB-642C-11	F-SB-642C-13	F-SB-642C-15	F-SB-643-11
SAMPLE DATE	20091019	20091019	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.6E-07	9.7E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	4.3E-08	2.8E-09	2.6E-09	9.0E-09	2.6E-09	7.8E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.6E-07	9.7E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	4.3E-08	2.8E-09	2.6E-09	9.0E-09	2.6E-09	7.8E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.4E-05	2.1E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	9.3E-07	6.0E-08	5.6E-08	1.9E-07	5.6E-08	1.7E-05
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-05	2.1E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	9.3E-07	6.0E-08	5.6E-08	1.9E-07	5.6E-08	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644
SAMPLE ID	F-SB-643-13	F-SB-643-15	F-SB-643B-11	F-SB-643B-13	F-SB-643B-15	F-SB-643C-11	F-SB-643C-13	F-SB-643C-15	F-SB-644-11	F-SB-644-13	F-SB-644-15
SAMPLE DATE	20091016	20091016	20091105	20091105	20091105	20091105	20091105	20091105	20091016	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	8.8E-08	2.8E-09	2.8E-09	9.3E-07	1.4E-08	2.6E-09	5.9E-08	2.6E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	8.8E-08	2.8E-09	2.8E-09	9.3E-07	1.4E-08	2.6E-09	5.9E-08	2.6E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.9E-06	6.0E-08	6.0E-08	2.0E-05	3.1E-07	5.6E-08	1.3E-06	5.6E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.9E-06	6.0E-08	6.0E-08	2.0E-05	3.1E-07	5.6E-08	1.3E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-056	SB-093	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID	SB-56-15	F-SB-93RE-11	F-SB-93RE-12	F-SB-93RE-13	F-SB-93RE-14	SB-93-15	F-SB-94RE-11	F-SB-94RE-12	F-SB-94RE-12-AVG	F-SB-94RE-12-D	F-SB-94RE-13
SAMPLE DATE	20040913	20090921	20090921	20090921	20090921	20040916	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	12	13	14	15	11	12	12	12	13
BOTTOM DEPTH	15	11	12	13	14	15	11	12	12	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE	1.8E-06					1.8E-06					
1,2,4-TRICHLOROBENZENE	8.5E-06					8.5E-06					
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.9E-08					8.9E-08					
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06					3.8E-06					
AROCLOR-1254	1.0E-02	7.0E-04	7.0E-04	8.0E-04	7.3E-04	1.0E-02	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.3E-04
AROCLOR-1260											
ANTIMONY											
ARSENIC	6.4E-04					6.4E-04					
CADMIUM	1.7E-03					1.7E-03					
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.6E-04					2.6E-04					
MOLYBDENUM											
NICKEL	6.4E-04					1.9E-03					
VANADIUM											
HEXAVALENT CHROMIUM	4.9E-04					9.2E-04					
TOTAL HAZARD INDEX	1.4E-02	7.0E-04	7.0E-04	8.0E-04	7.3E-04	1.6E-02	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.3E-04
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE	4.8E-05					4.8E-05					
1,2,4-TRICHLOROBENZENE	3.9E-05					3.9E-05					
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.4E-07					8.4E-07					
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05					1.8E-05					
AROCLOR-1254	1.3E-01	8.9E-03	8.9E-03	1.0E-02	9.3E-03	1.3E-01	8.9E-03	8.5E-03	8.5E-03	8.5E-03	9.3E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC	1.3E-02					1.3E-02					
CADMIUM	3.8E-02					3.8E-02					
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.3E-03					3.3E-03					
MOLYBDENUM											
NICKEL	6.5E-03					2.0E-02					
VANADIUM											
HEXAVALENT CHROMIUM	4.3E-03					8.1E-03					
TOTAL HAZARD INDEX	2.0E-01	8.9E-03	8.9E-03	1.0E-02	9.3E-03	2.1E-01	8.9E-03	8.5E-03	8.5E-03	8.5E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-094	SB-094	SB-096
SAMPLE ID	F-SB-94RE-14	F-SB-94RE-15	SB-94-15	SB-96-15
SAMPLE DATE	20090921	20090921	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	15	15
BOTTOM DEPTH	14	15	15	15
INDUSTRIAL				
1,2,3-TRICHLOROBENZENE			1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE			8.5E-06	8.5E-06
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE			8.9E-08	8.9E-08
BAP EQUIVALENT-HALFND				
NAPHTHALENE			3.8E-06	3.8E-06
AROCLOR-1254	7.3E-04	7.3E-04	1.0E-02	1.0E-02
AROCLOR-1260				
ANTIMONY				
ARSENIC			6.7E-04	6.8E-04
CADMIUM			1.9E-03	1.9E-03
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY			2.8E-04	2.8E-04
MOLYBDENUM				
NICKEL			2.1E-03	1.6E-04
VANADIUM				
HEXAVALENT CHROMIUM			1.4E-03	7.7E-05
TOTAL HAZARD INDEX	7.3E-04	7.3E-04	1.7E-02	1.4E-02
RESIDENTIAL				
1,2,3-TRICHLOROBENZENE			4.8E-05	4.8E-05
1,2,4-TRICHLOROBENZENE			3.9E-05	3.9E-05
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE			8.4E-07	8.4E-07
BAP EQUIVALENT-HALFND				
NAPHTHALENE			1.8E-05	1.8E-05
AROCLOR-1254	9.3E-03	9.3E-03	1.3E-01	1.3E-01
AROCLOR-1260				
ANTIMONY				
ARSENIC			1.4E-02	1.4E-02
CADMIUM			4.1E-02	4.1E-02
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY			3.6E-03	3.6E-03
MOLYBDENUM				
NICKEL			2.2E-02	1.6E-03
VANADIUM				
HEXAVALENT CHROMIUM			1.2E-02	6.8E-04
TOTAL HAZARD INDEX	9.3E-03	9.3E-03	2.3E-01	1.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

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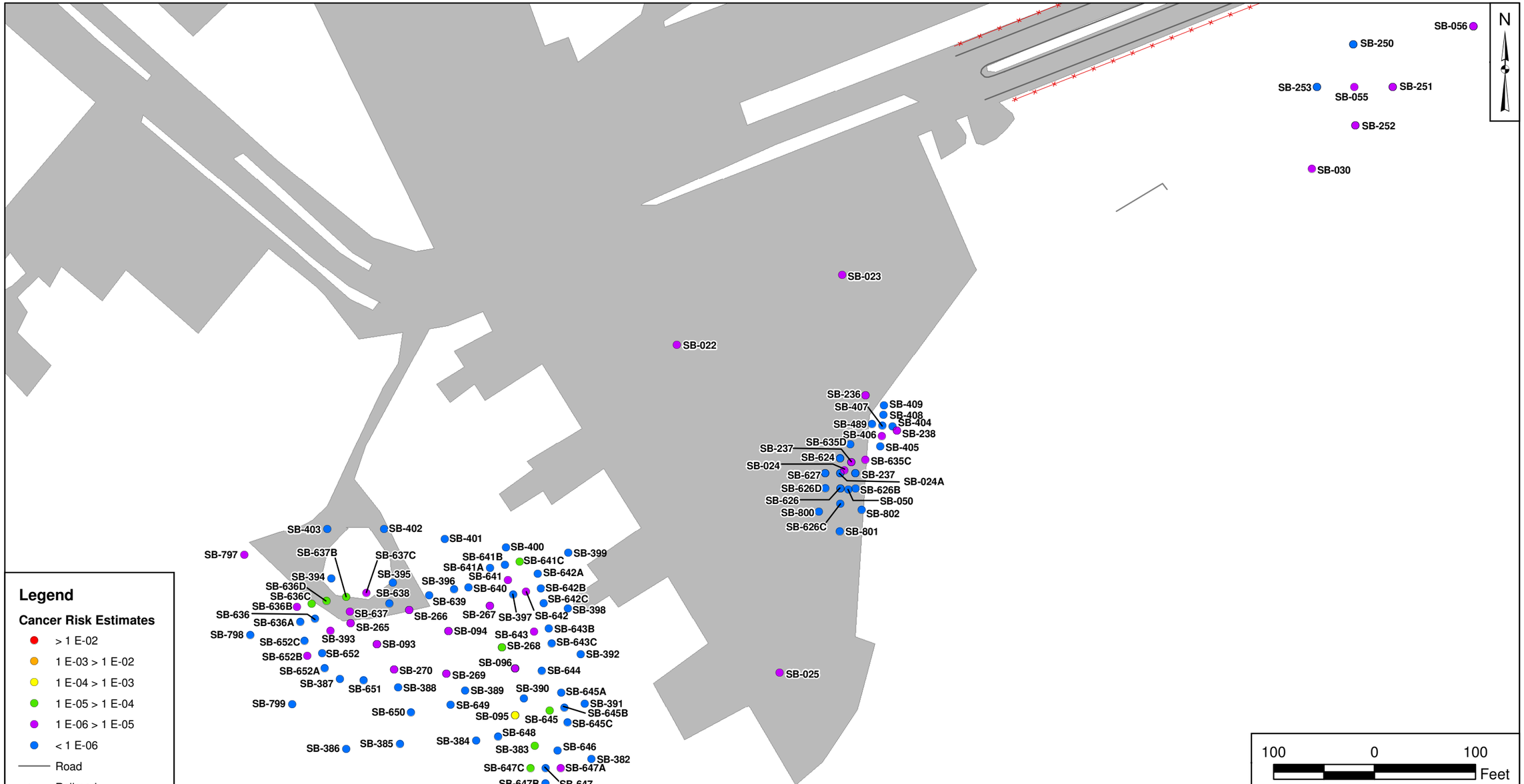

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK F - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.1	REV 0

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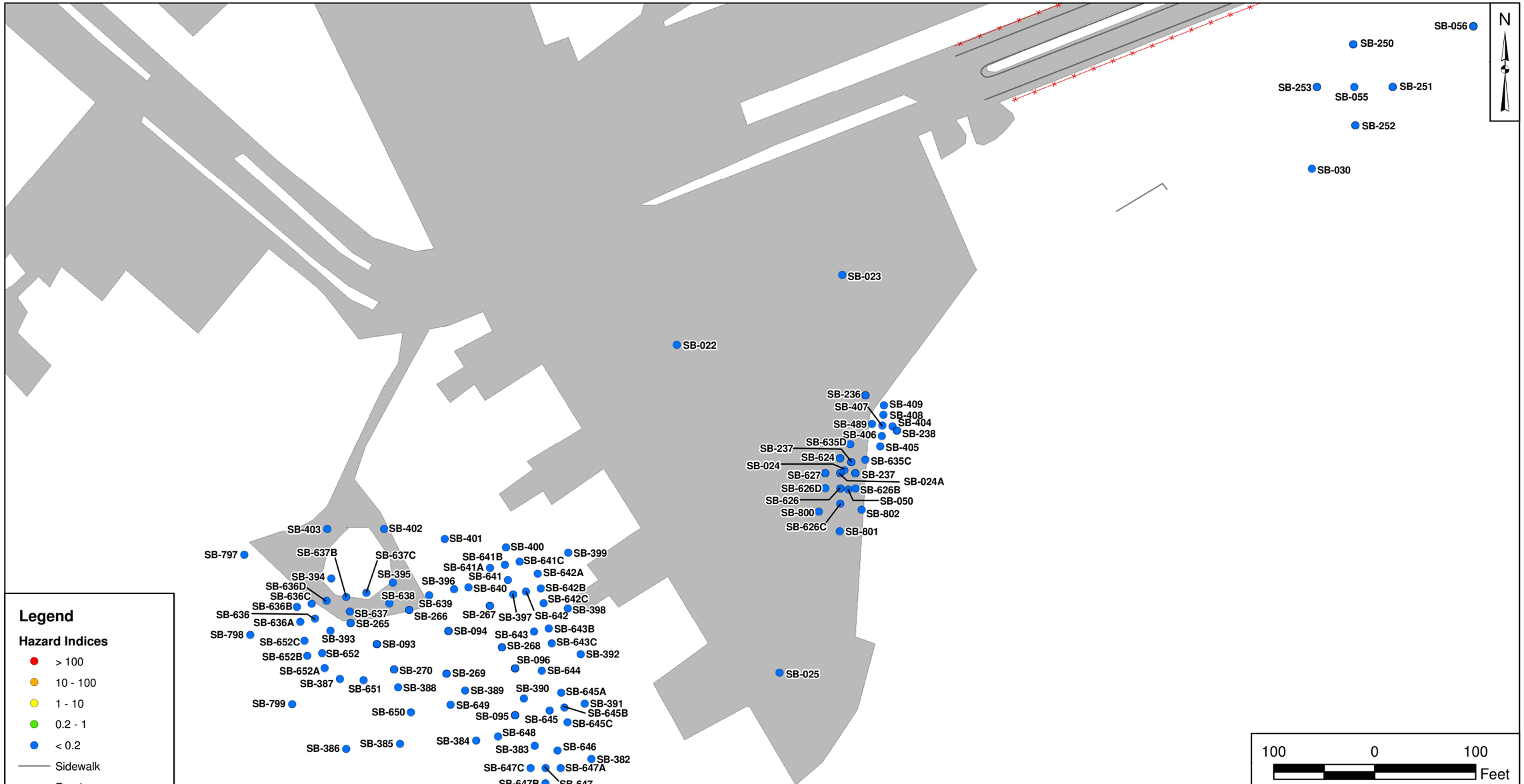

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Sidewalk
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK F - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.2 / REV 0

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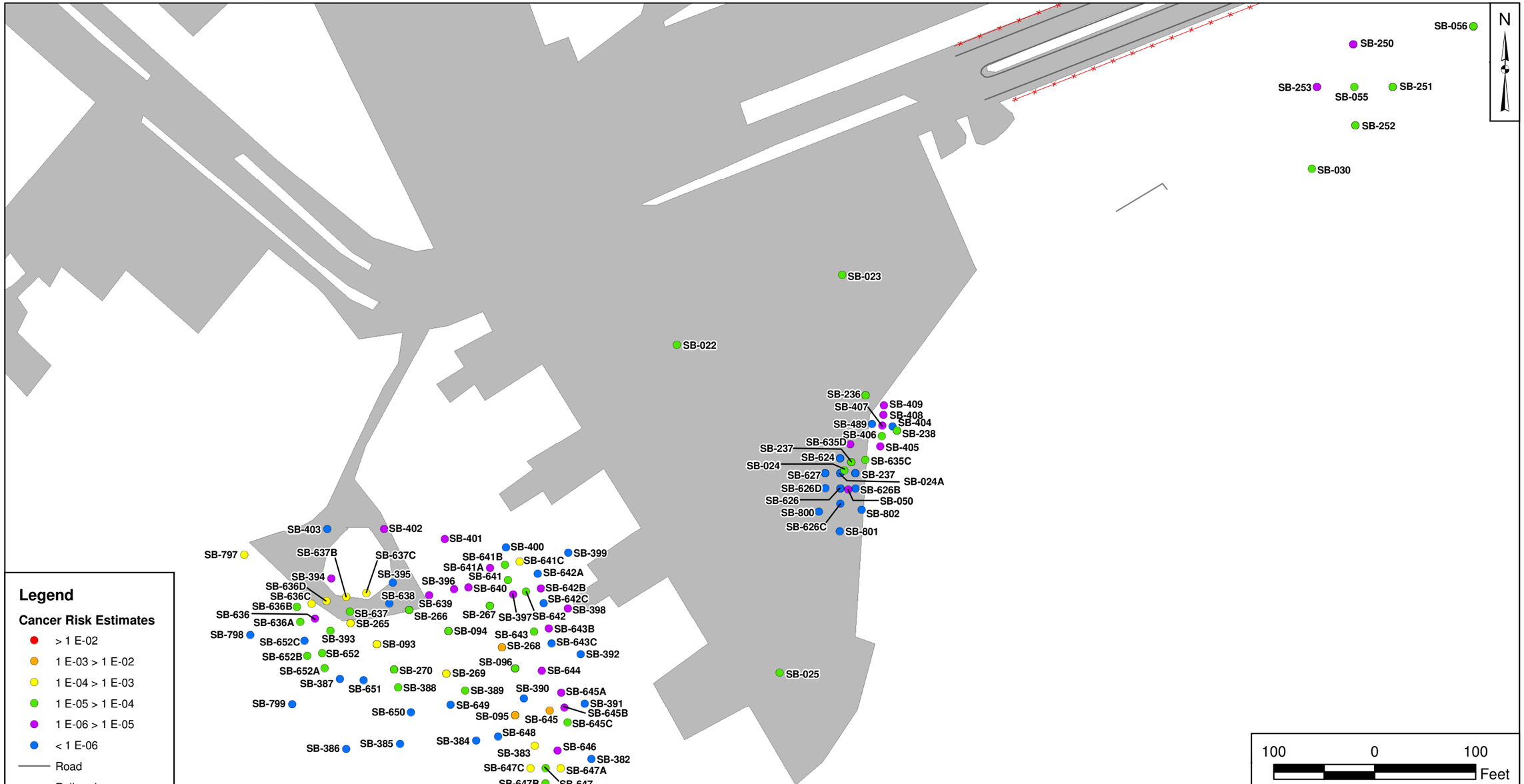

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK F - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.3	REV 0

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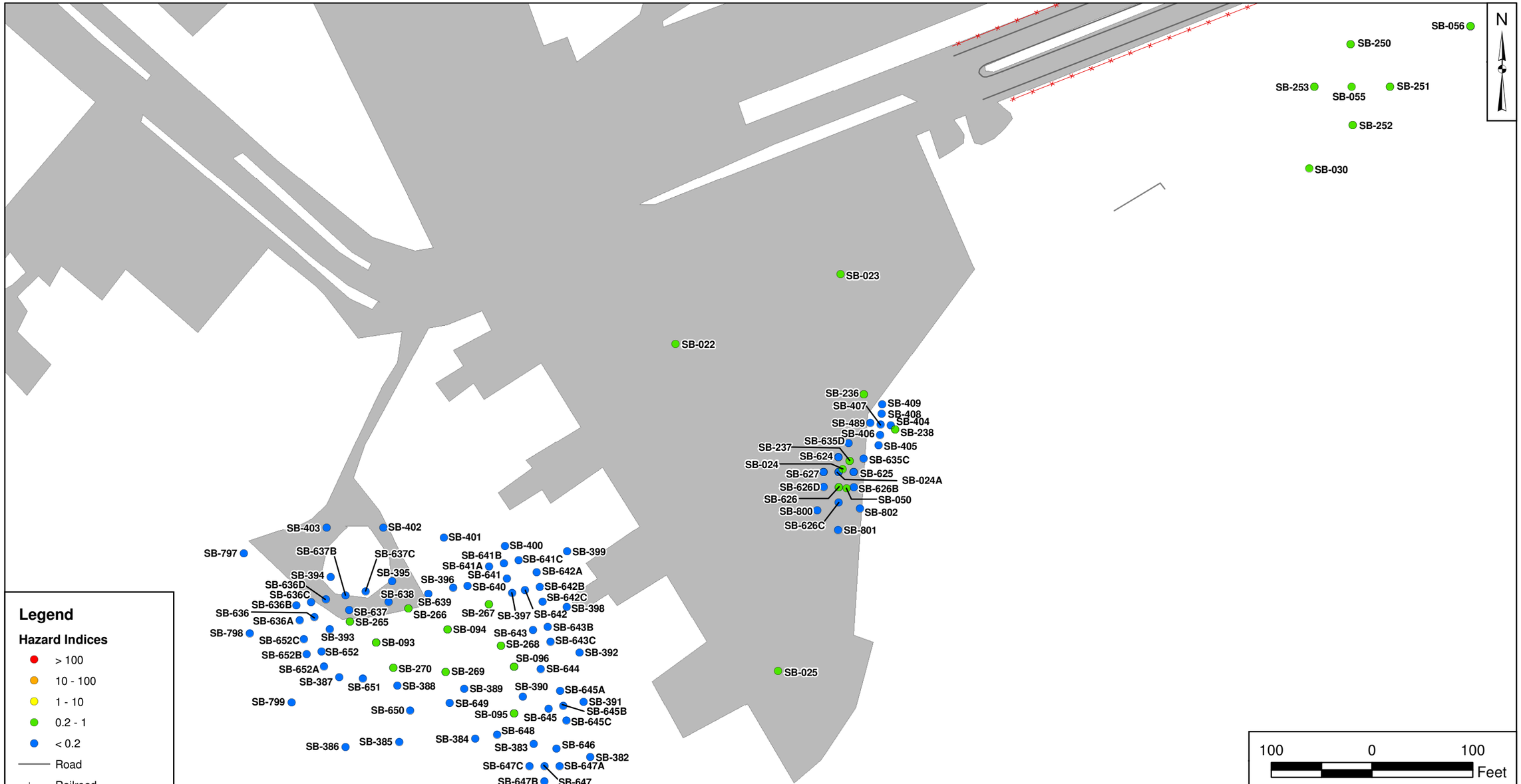

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK F - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.4 / REV 0

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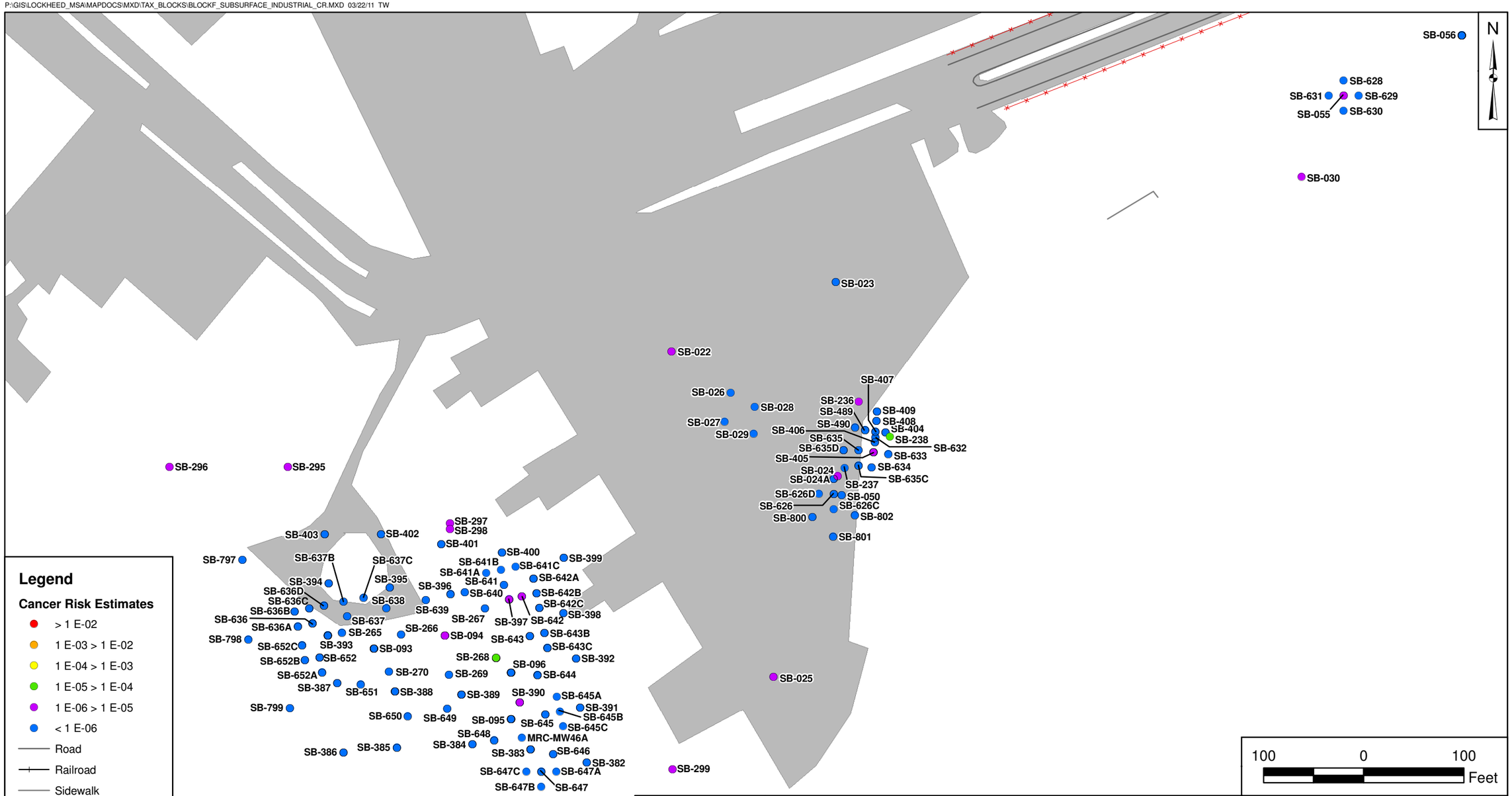

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Water
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.5	REV 0

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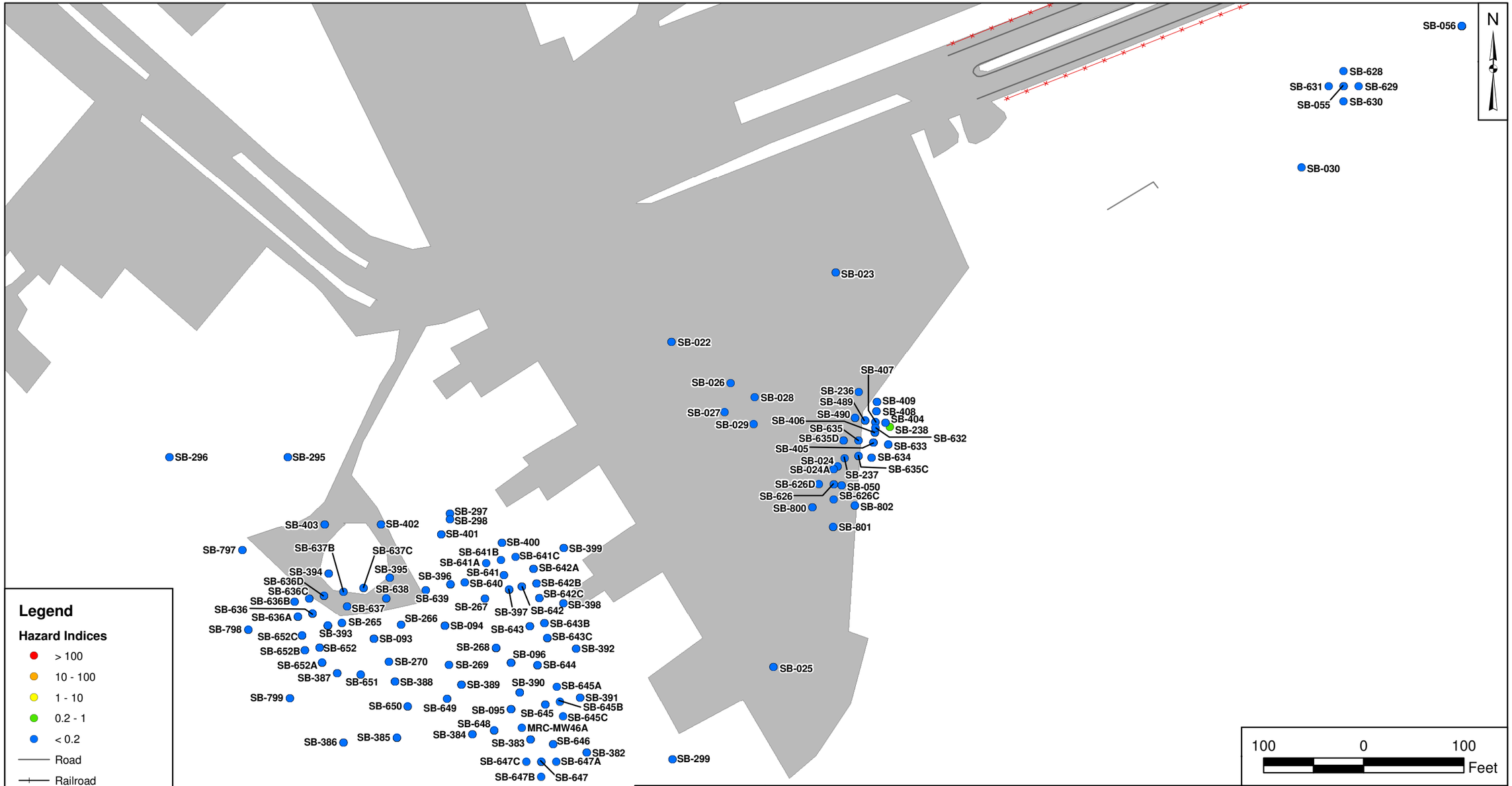

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK F - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.6 / REV 0

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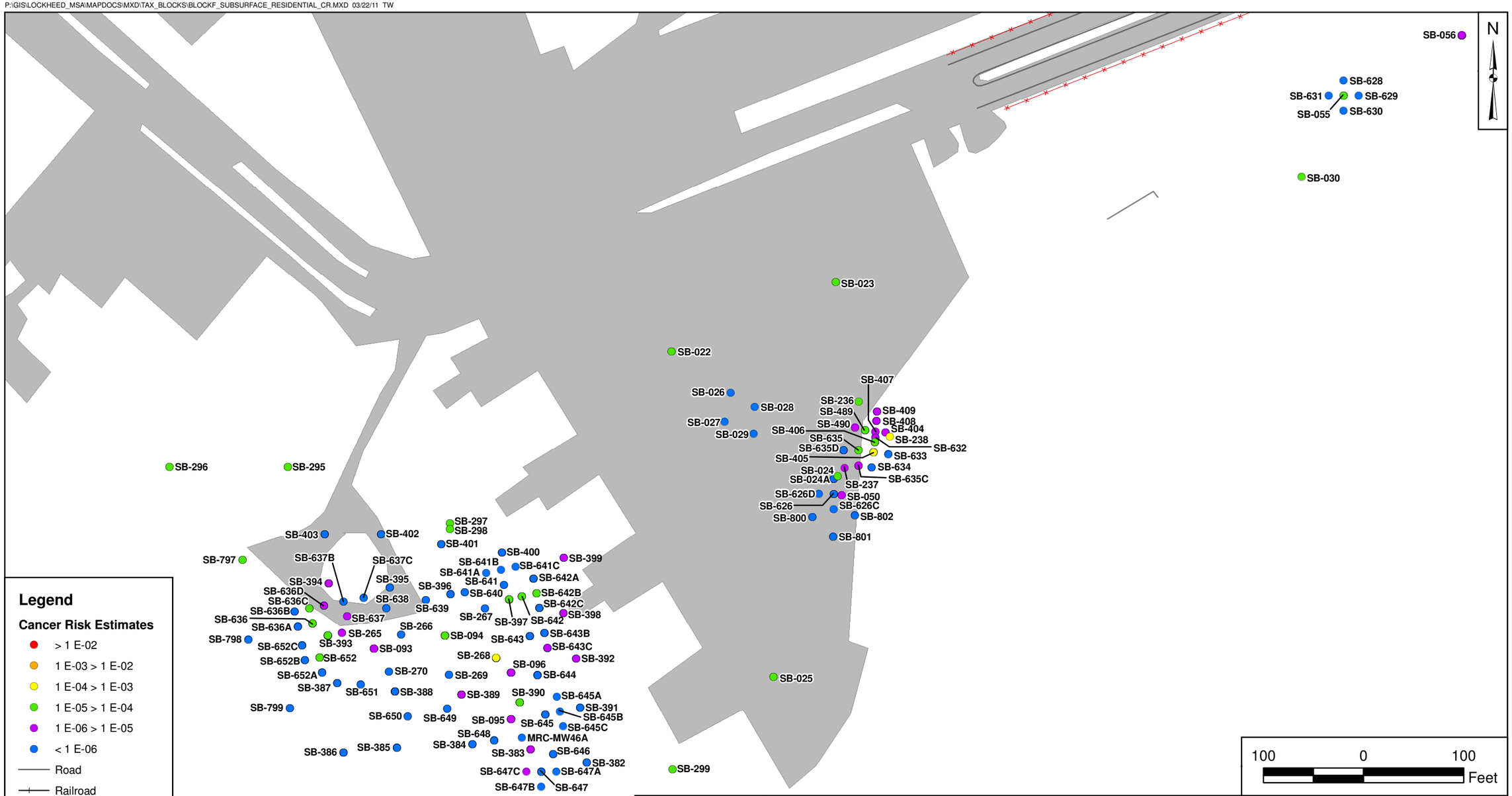


Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

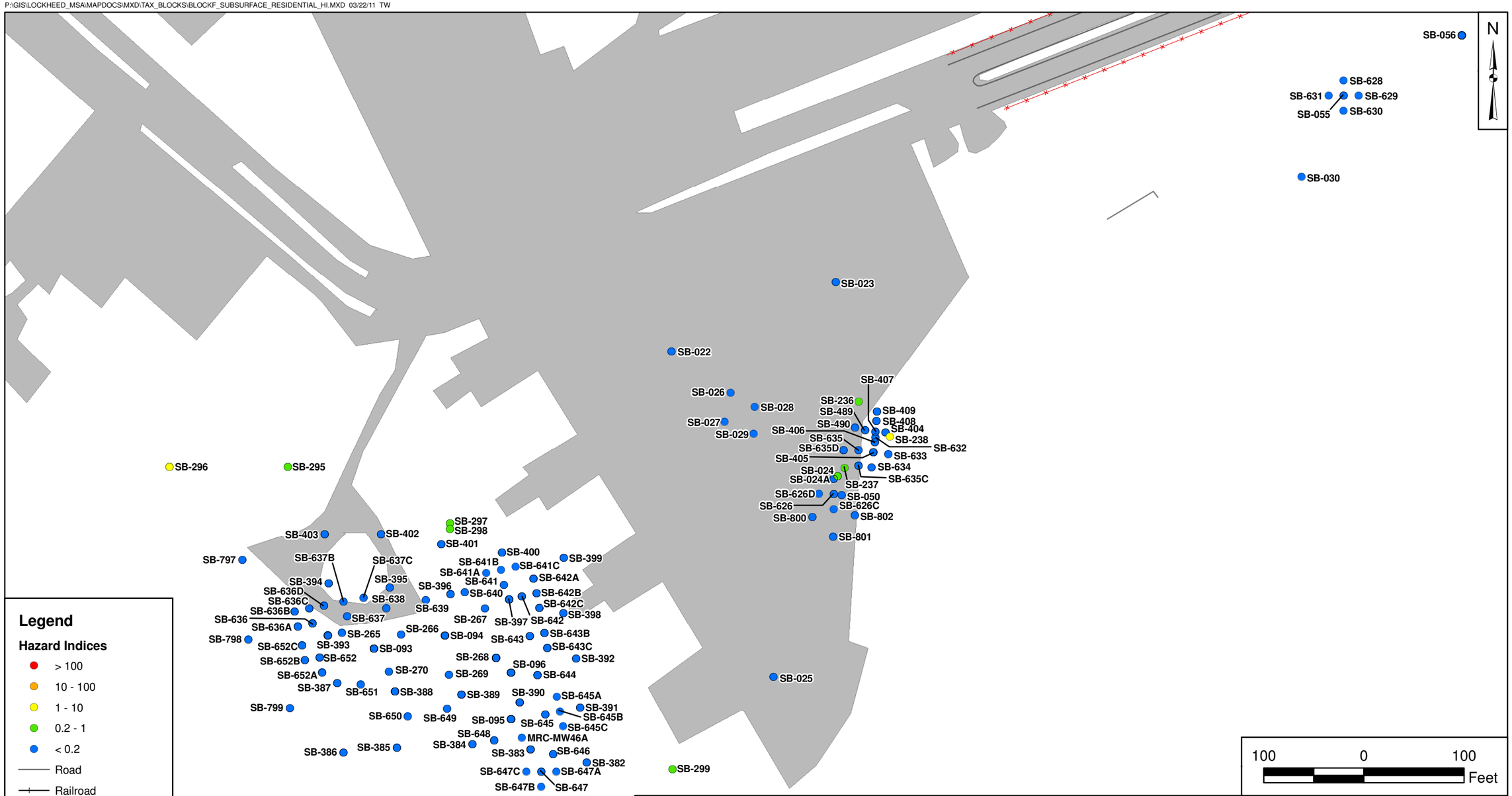
DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.7	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SUBSURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

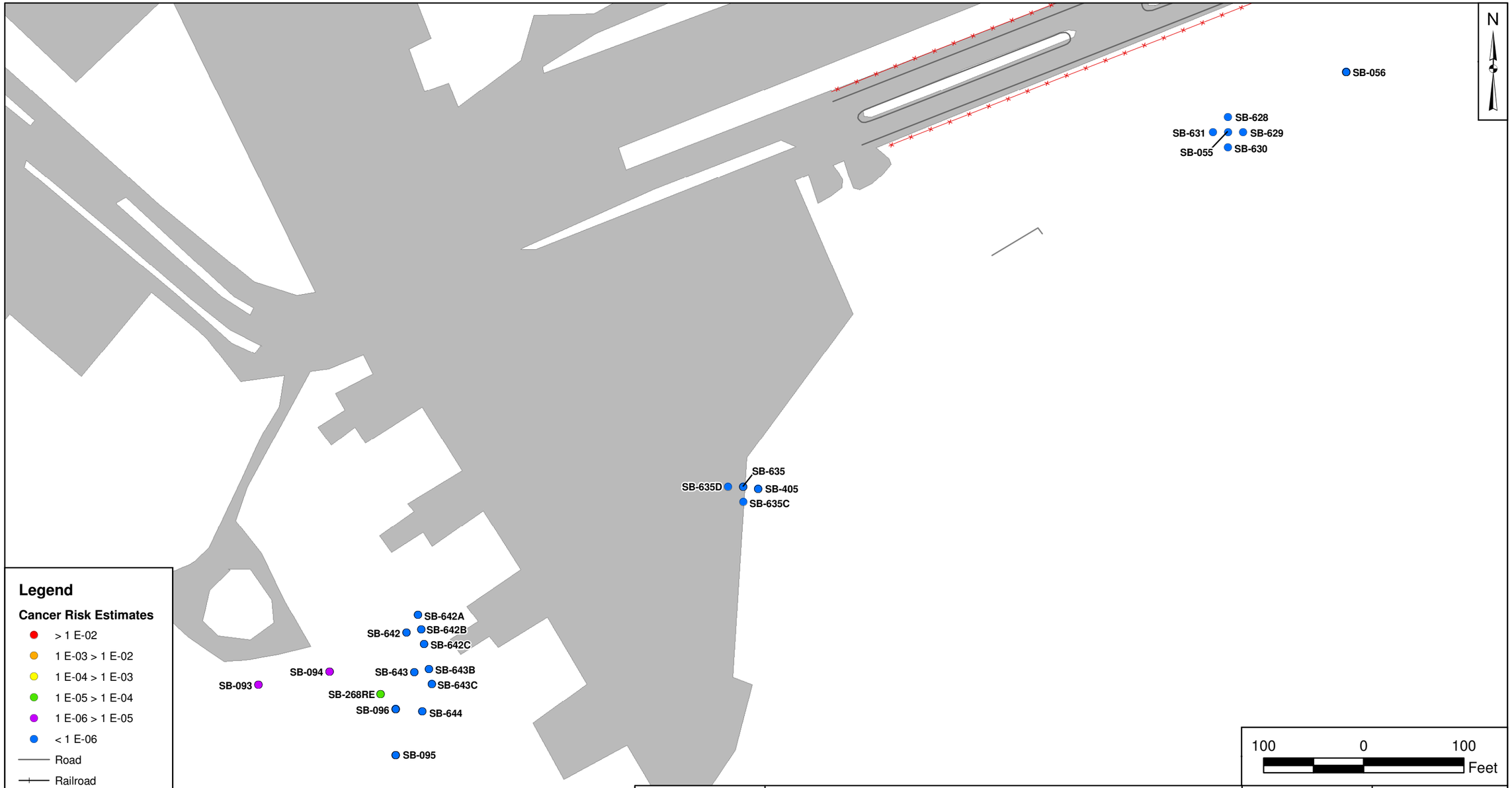
DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

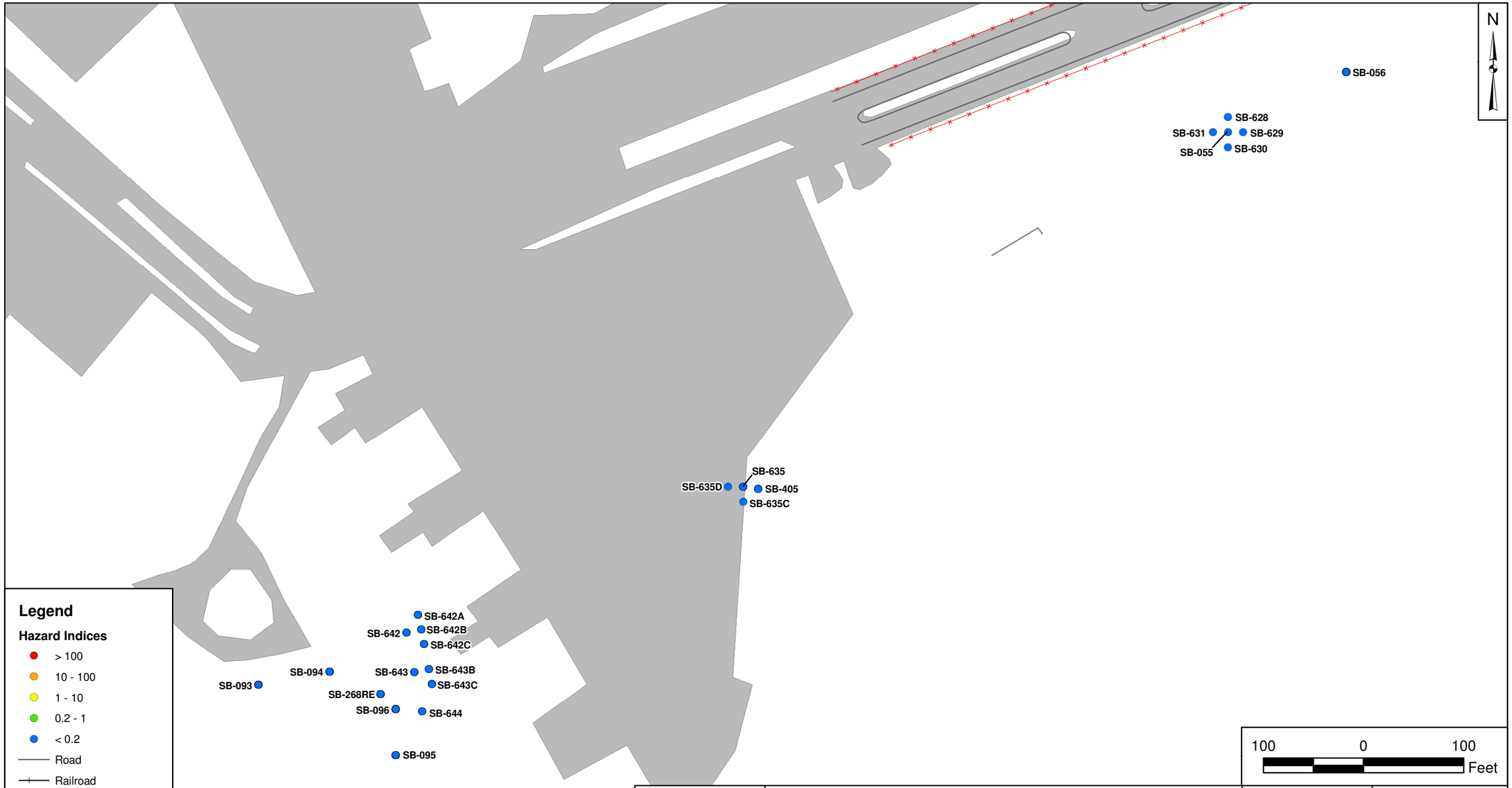
CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.8	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_INDUSTRIAL_CR.MXD 03/23/11 TW



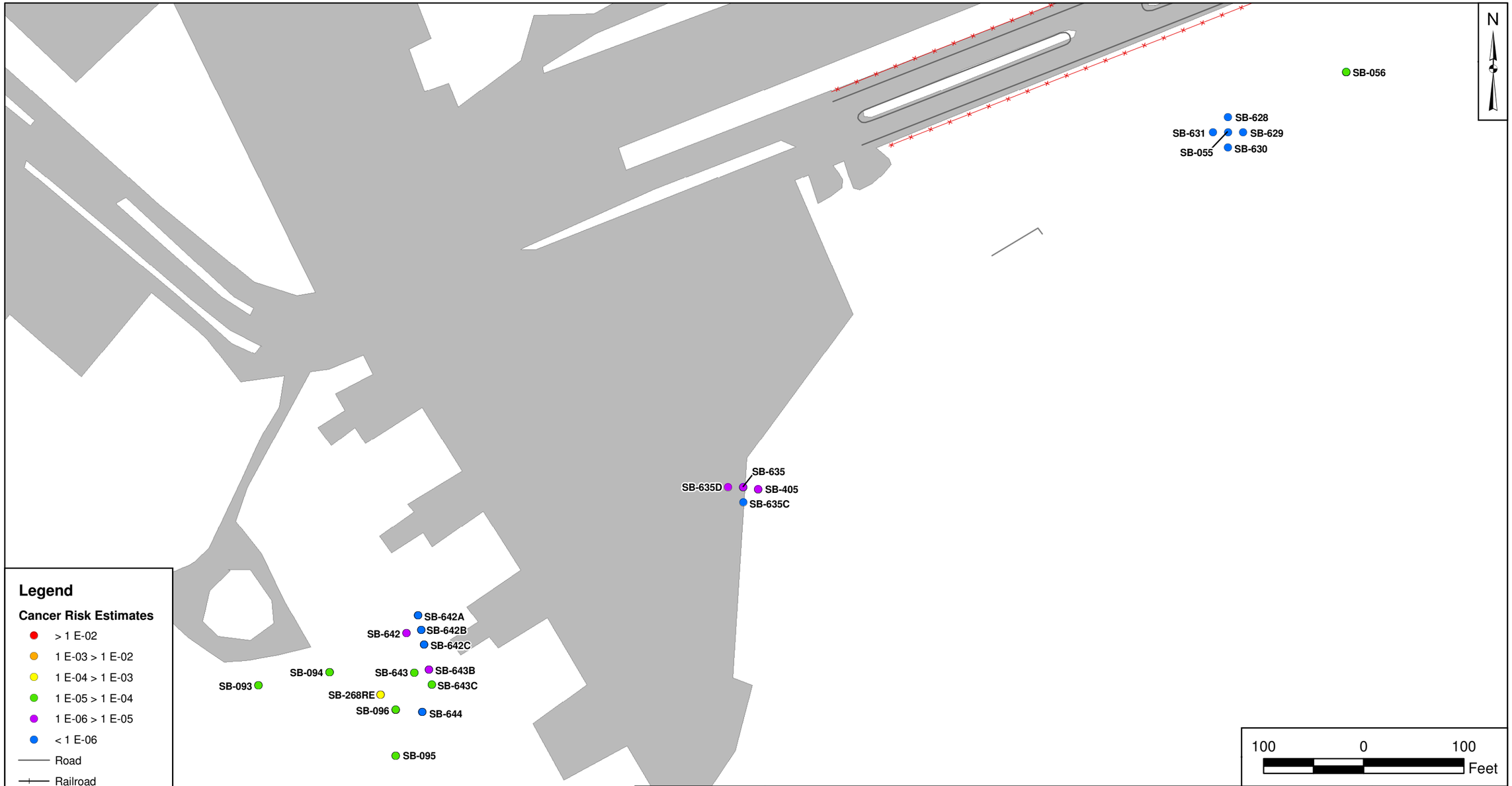
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.9 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_INDUSTRIAL_HI.MXD 03/23/11 TW



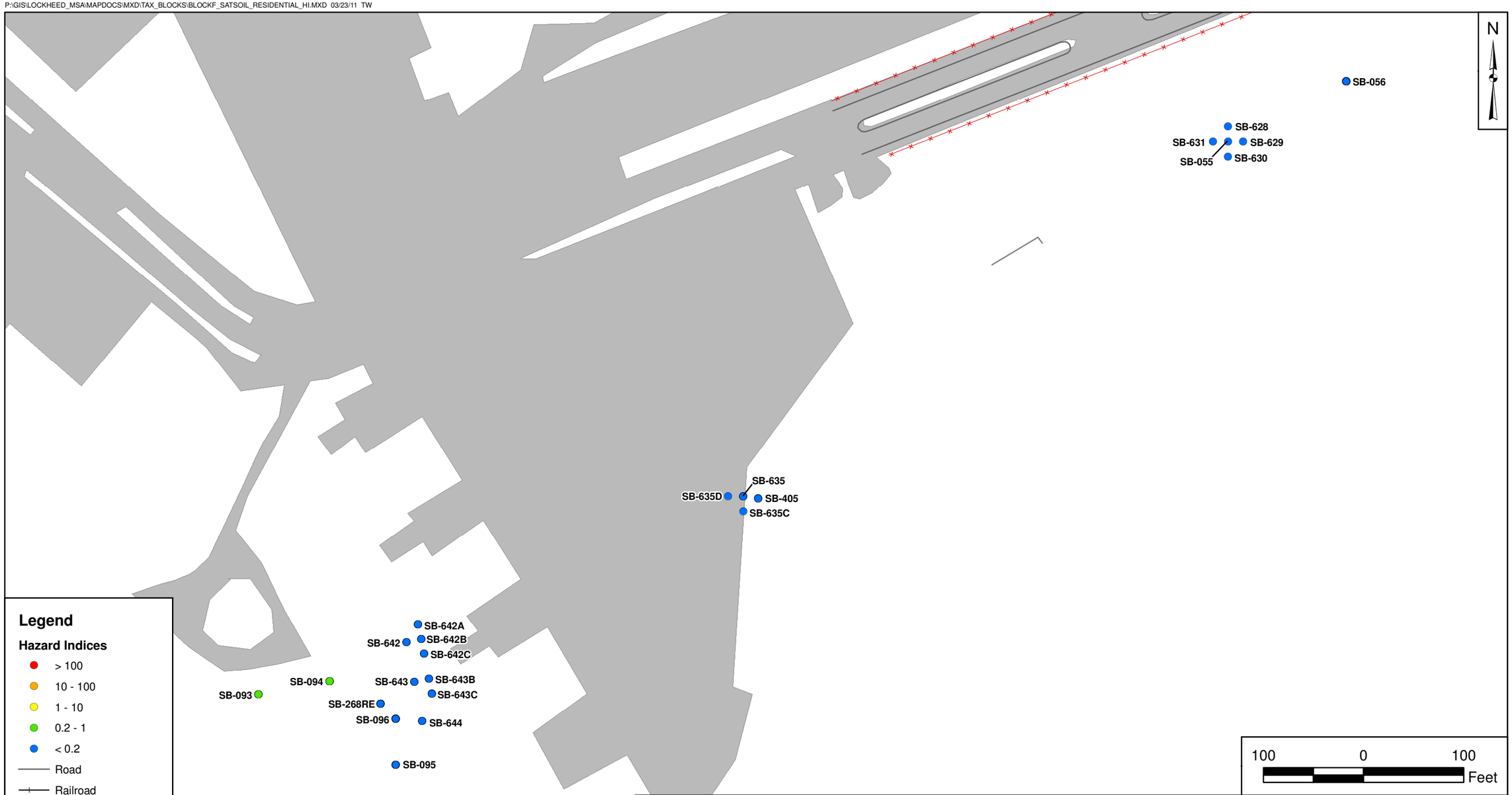
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.10 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_RESIDENTIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_RESIDENTIAL_HI.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.12 / REV 0

APPENDIX E.4

BLOCK E

TABLES

E-4.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block G

E-4.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block G

E-4.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block G

E-4.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block G

E-4.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block G

E-4.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block G

FIGURES

E-4.1 Cancer Risk Estimates for Industrial Use – Block G – Surface Soil

E-4.2 Hazard Indices Estimates for Industrial Use – Block G – Surface Soil

E-4.3 Cancer Risk Estimates for Residential Use – Block G – Surface Soil

E-4.4 Hazard Indices Estimates for Residential Use – Block G – Surface Soil

E-4.5 Cancer Risk Estimates for Industrial Use – Block G – Subsurface Soil

E-4.6 Hazard Indices Estimates for Industrial Use – Block G – Subsurface Soil

E-4.7 Cancer Risk Estimates for Residential Use – Block G – Subsurface Soil

E-4.8 Hazard Indices Estimates for Residential Use – Block G – Subsurface Soil

E-4.9 Cancer Risk Estimates for Industrial Use – Block G – Saturated Soil

E-4.10 Hazard Indices Estimates for Industrial Use – Block G – Saturated Soil

E-4.11 Cancer Risk Estimates for Residential Use – Block G – Saturated Soil

E-4.12 Hazard Indices Estimates for Residential Use – Block G – Saturated Soil

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.1E-06	1.5E-08	5.6E-07	7.9E-07	1.1E-07	1.4E-07	2.5E-06	2.6E-07	1.1E-07	2.6E-09	5.0E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.1E-06	1.5E-08	5.6E-07	7.9E-07	1.1E-07	1.4E-07	2.5E-06	2.6E-07	1.1E-07	2.6E-09	5.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.0E-05	3.2E-07	1.2E-05	1.7E-05	2.3E-06	3.1E-06	5.4E-05	5.6E-06	2.4E-06	5.6E-08	1.1E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.0E-05	3.2E-07	1.2E-05	1.7E-05	2.3E-06	3.1E-06	5.4E-05	5.6E-06	2.4E-06	5.6E-08	1.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1	G-SB-656-2
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1	2
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-06	1.3E-06	6.0E-07	1.6E-07	2.3E-07	1.4E-06	3.4E-07	1.8E-07	1.9E-07	4.1E-08	2.6E-07	7.8E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-06	1.3E-06	6.0E-07	1.6E-07	2.3E-07	1.4E-06	3.4E-07	1.8E-07	1.9E-07	4.1E-08	2.6E-07	7.8E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.0E-05	2.8E-05	1.3E-05	3.5E-06	4.9E-06	3.0E-05	7.4E-06	3.9E-06	4.1E-06	9.0E-07	5.7E-06	1.7E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.0E-05	2.8E-05	1.3E-05	3.5E-06	4.9E-06	3.0E-05	7.4E-06	3.9E-06	4.1E-06	9.0E-07	5.7E-06	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A	SB-662B
SAMPLE ID	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1	G-SB-662B-1
SAMPLE DATE	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-08	2.1E-07	6.6E-06	4.1E-06	1.1E-07	2.0E-07	2.5E-07	2.8E-07	8.0E-08	2.2E-06	5.6E-09
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-08	2.1E-07	6.6E-06	4.1E-06	1.1E-07	2.0E-07	2.5E-07	2.8E-07	8.0E-08	2.2E-06	5.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.1E-07	4.4E-06	1.4E-04	8.9E-05	2.3E-06	4.4E-06	5.4E-06	6.1E-06	1.7E-06	4.7E-05	1.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.1E-07	4.4E-06	1.4E-04	8.9E-05	2.3E-06	4.4E-06	5.4E-06	6.1E-06	1.7E-06	4.7E-05	1.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671C
SAMPLE ID	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1	G-SB-671C-1
SAMPLE DATE	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	2	2	1	1
BOTTOM DEPTH	1	1	2	1	2	1	2	2	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.0E-07	1.5E-07	3.6E-07	1.9E-07	7.5E-08	1.5E-06	2.6E-09	2.6E-09	2.6E-09	7.9E-07	8.2E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-07	1.5E-07	3.6E-07	1.9E-07	7.5E-08	1.5E-06	2.6E-09	2.6E-09	2.6E-09	7.9E-07	8.2E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.4E-06	3.3E-06	7.9E-06	4.1E-06	1.6E-06	3.3E-05	5.6E-08	5.6E-08	5.6E-08	1.7E-05	1.8E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.4E-06	3.3E-06	7.9E-06	4.1E-06	1.6E-06	3.3E-05	5.6E-08	5.6E-08	5.6E-08	1.7E-05	1.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D	SB-678
SAMPLE ID	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1	G-SB-678-1
SAMPLE DATE	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	1	1	2	1	1	1	1
BOTTOM DEPTH	1	1	2	1	1	1	2	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.8E-08	2.1E-07	2.0E-07	7.1E-05	5.0E-05	2.9E-05	6.9E-06	4.1E-06	2.7E-07	4.8E-08	7.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-08	2.1E-07	2.0E-07	7.1E-05	5.0E-05	2.9E-05	6.9E-06	4.1E-06	2.7E-07	4.8E-08	7.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	4.5E-06	4.3E-06	1.5E-03	1.1E-03	6.3E-04	1.5E-04	9.0E-05	5.8E-06	1.0E-06	1.6E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	4.5E-06	4.3E-06	1.5E-03	1.1E-03	6.3E-04	1.5E-04	9.0E-05	5.8E-06	1.0E-06	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1	G-SB-680D-1-AVG
SAMPLE DATE	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	2	1	1	1	2	1	1
BOTTOM DEPTH	2	1	1	1	2	1	1	1	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.6E-07	2.9E-05	1.1E-07	2.1E-06	3.9E-07	1.5E-06	5.2E-07	2.3E-06	1.6E-06	3.0E-07	5.8E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.6E-07	2.9E-05	1.1E-07	2.1E-06	3.9E-07	1.5E-06	5.2E-07	2.3E-06	1.6E-06	3.0E-07	5.8E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.9E-05	6.2E-04	2.5E-06	4.5E-05	8.5E-06	3.2E-05	1.1E-05	5.0E-05	3.4E-05	6.5E-06	1.3E-04
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-05	6.2E-04	2.5E-06	4.5E-05	8.5E-06	3.2E-05	1.1E-05	5.0E-05	3.4E-05	6.5E-06	1.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1	G-SB-736B-1
SAMPLE DATE	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	2	2		1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	4	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-05	7.8E-08	2.5E-07	2.5E-07	1.8E-06	1.6E-06	7.3E-06	2.2E-05	8.9E-07	2.0E-06	4.3E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	7.8E-08	2.5E-07	2.5E-07	1.8E-06	1.6E-06	7.3E-06	2.2E-05	8.9E-07	2.0E-06	4.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-04	1.7E-06	5.4E-06	5.4E-06	4.0E-05	3.6E-05	1.6E-04	4.7E-04	1.9E-05	4.3E-05	9.4E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-04	1.7E-06	5.4E-06	5.4E-06	4.0E-05	3.6E-05	1.6E-04	4.7E-04	1.9E-05	4.3E-05	9.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3
SAMPLE DATE	20091112	20091021	20091008	20091008	20091008	20091008	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	2	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	2	2	2	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-06	4.3E-07	2.0E-08	1.8E-08	1.6E-08	9.4E-08	4.1E-05		7.3E-09		2.0E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-06	4.3E-07	2.0E-08	1.8E-08	1.6E-08	9.4E-08	4.1E-05		7.3E-09		2.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-04	9.3E-06	4.3E-07	3.9E-07	3.4E-07	2.0E-06	8.8E-04		1.6E-07		4.4E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-04	9.3E-06	4.3E-07	3.9E-07	3.4E-07	2.0E-06	8.8E-04		1.6E-07		4.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B	SB-091C	SB-092	SB-092	SB-092C	SB-092D
SAMPLE ID	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1
SAMPLE DATE	20100921	20100921	20090930	20090930	20091030	20091102	20091102	20090929	20090929	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	1	2	1	1	1	1	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.4E-06		4.6E-05	3.7E-07	2.1E-07	2.4E-09	7.9E-07	2.2E-07	2.5E-07	7.3E-08	7.5E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC								2.0E-06	1.2E-06		
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.4E-06		4.6E-05	3.7E-07	2.1E-07	2.4E-09	7.9E-07	2.2E-06	1.5E-06	7.3E-08	7.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.6E-05		1.0E-03	8.0E-06	4.6E-06	5.3E-08	1.7E-05	4.9E-06	5.3E-06	1.6E-06	1.6E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC								1.5E-05	9.4E-06		
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.6E-05		1.0E-03	8.0E-06	4.6E-06	5.3E-08	1.7E-05	2.0E-05	1.5E-05	1.6E-06	1.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742
SAMPLE ID	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2
SAMPLE DATE	20091102	20091102	20041102	20050511	20050510	20050511	20050511	20050511	20050511	20091008	20091009	20091009
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SB	SB	SB
TOP DEPTH	1	1								2	2	2
BOTTOM DEPTH	1	1		1	1	1	1	1	1	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.0E-07	1.2E-07		1.8E-06	3.9E-07	4.3E-06	4.0E-07	7.8E-07	6.4E-07	3.6E-09	8.1E-09	3.7E-08
AROCLOR-1254				1.8E-08	1.9E-08	1.7E-08	2.0E-08	1.2E-08	1.8E-08			
AROCLOR-1260				1.8E-08	1.9E-08	1.3E-08	2.0E-08	1.8E-08	1.8E-08			
ANTIMONY												
ARSENIC				3.7E-07	3.7E-07	1.8E-07	1.8E-06	3.7E-07	5.5E-07			
CADMIUM				2.3E-12	4.5E-12	4.5E-12	6.8E-12	4.5E-12	2.3E-12			
COBALT				1.6E-09	3.6E-09	7.3E-10	1.2E-08	1.3E-09	1.7E-09			
IRON												
LEAD												
MERCURY												
NICKEL				7.2E-11	7.2E-11	3.3E-11	1.2E-10	5.3E-11	3.9E-11			
VANADIUM												
HEXAVALENT CHROMIUM				3.1E-07	4.0E-07	3.1E-07	5.5E-07	3.6E-07	3.8E-07			
TOTAL CANCER RISK	1.0E-07	1.2E-07		2.5E-06	1.2E-06	4.8E-06	2.8E-06	1.5E-06	1.6E-06	3.6E-09	8.1E-09	3.7E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.2E-06	2.7E-06		3.9E-05	8.4E-06	9.3E-05	8.7E-06	1.7E-05	1.4E-05	7.9E-08	1.8E-07	7.9E-07
AROCLOR-1254				8.9E-08	9.4E-08	8.7E-08	9.9E-08	5.9E-08	9.2E-08			
AROCLOR-1260				8.9E-08	9.4E-08	6.4E-08	9.9E-08	8.9E-08	9.2E-08			
ANTIMONY												
ARSENIC				2.8E-06	2.8E-06	1.4E-06	1.4E-05	2.8E-06	4.3E-06			
CADMIUM				4.6E-12	9.2E-12	9.2E-12	1.4E-11	9.2E-12	4.6E-12			
COBALT				3.3E-09	7.2E-09	1.5E-09	2.3E-08	2.7E-09	3.5E-09			
IRON												
LEAD												
MERCURY												
NICKEL				1.5E-10	1.5E-10	6.6E-11	2.4E-10	1.1E-10	7.9E-11			
VANADIUM												
HEXAVALENT CHROMIUM				4.6E-06	6.1E-06	4.7E-06	8.2E-06	5.4E-06	5.7E-06			
TOTAL CANCER RISK	2.2E-06	2.7E-06		4.6E-05	1.8E-05	1.0E-04	3.1E-05	2.5E-05	2.4E-05	7.9E-08	1.8E-07	7.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-743	SB-744	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749
SAMPLE ID	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2
SAMPLE DATE	20091009	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009	20091009	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.0E-07	2.4E-07	9.6E-07	2.8E-09	2.6E-09	9.2E-06	4.9E-07	3.8E-09	1.8E-07	3.6E-07	3.8E-09	8.5E-09
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-07	2.4E-07	9.6E-07	2.8E-09	2.6E-09	9.2E-06	4.9E-07	3.8E-09	1.8E-07	3.6E-07	3.8E-09	8.5E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	4.4E-06	5.3E-06	2.1E-05	6.0E-08	5.6E-08	2.0E-04	1.1E-05	8.3E-08	4.0E-06	7.9E-06	8.3E-08	1.9E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.4E-06	5.3E-06	2.1E-05	6.0E-08	5.6E-08	2.0E-04	1.1E-05	8.3E-08	4.0E-06	7.9E-06	8.3E-08	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-750	SB-751	SB-752	SB-753	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761
SAMPLE ID	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	6.4E-08	5.9E-08	2.8E-09	2.1E-05	2.8E-09	1.1E-05	3.9E-07	4.3E-06	2.6E-06	3.8E-08
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	6.4E-08	5.9E-08	2.8E-09	2.1E-05	2.8E-09	1.1E-05	3.9E-07	4.3E-06	2.6E-06	3.8E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.4E-06	1.3E-06	6.0E-08	4.5E-04	6.0E-08	2.4E-04	8.4E-06	9.4E-05	5.6E-05	8.3E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.4E-06	1.3E-06	6.0E-08	4.5E-04	6.0E-08	2.4E-04	8.4E-06	9.4E-05	5.6E-05	8.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761A	SB-761B	SB-761C	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A
SAMPLE ID	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1
SAMPLE DATE	20091022	20091022	20091022	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.4E-07	4.5E-07	1.3E-04	1.3E-04	2.8E-09	1.6E-06	2.6E-09	2.6E-07	2.3E-07	4.5E-08	2.6E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.4E-07	4.5E-07	1.3E-04	1.3E-04	2.8E-09	1.6E-06	2.6E-09	2.6E-07	2.3E-07	4.5E-08	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-05	9.9E-06	2.8E-03	2.9E-03	6.0E-08	3.5E-05	5.6E-08	5.7E-06	5.0E-06	9.7E-07	5.6E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-05	9.9E-06	2.8E-03	2.9E-03	6.0E-08	3.5E-05	5.6E-08	5.7E-06	5.0E-06	9.7E-07	5.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763B	SB-763C	SB-763D	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B
SAMPLE ID	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1
SAMPLE DATE	20091027	20091023	20091023	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-07	6.9E-07	2.5E-07	9.2E-08	2.0E-06	7.3E-08	9.1E-05	1.3E-04	8.5E-09	2.1E-06	1.8E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-07	6.9E-07	2.5E-07	9.2E-08	2.0E-06	7.3E-08	9.1E-05	1.3E-04	8.5E-09	2.1E-06	1.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.3E-06	1.5E-05	5.3E-06	2.0E-06	4.4E-05	1.6E-06	2.0E-03	2.9E-03	1.8E-07	4.7E-05	4.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.3E-06	1.5E-05	5.3E-06	2.0E-06	4.4E-05	1.6E-06	2.0E-03	2.9E-03	1.8E-07	4.7E-05	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765C	SB-765D	SB-803	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811
SAMPLE ID	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS
SAMPLE DATE	20091028	20091028	20100826	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1									
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-06	1.3E-07	6.8E-09	6.8E-09	6.6E-09	2.0E-05	6.8E-08	1.2E-06	5.6E-08	7.6E-09	4.7E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	1.3E-07	6.8E-09	6.8E-09	6.6E-09	2.0E-05	6.8E-08	1.2E-06	5.6E-08	7.6E-09	4.7E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-05	2.8E-06	1.5E-07	1.5E-07	1.4E-07	4.3E-04	1.5E-06	2.6E-05	1.2E-06	1.7E-07	1.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-05	2.8E-06	1.5E-07	1.5E-07	1.4E-07	4.3E-04	1.5E-06	2.6E-05	1.2E-06	1.7E-07	1.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-812	SB-813	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	G-SB-812-SS	G-SB-813-SS	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20100824	20100826	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH											1	1.5	0.5
BOTTOM DEPTH	1	1									1	1.5	0.5
INDUSTRIAL													
BAP EQUIVALENT-HALFND	1.3E-07	6.6E-09	1.3E-06	3.6E-06	6.9E-07	1.8E-05	1.7E-05	6.2E-06	1.3E-04	7.1E-05	2.3E-07	1.1E-07	6.0E-07
AROCLOR-1254			1.6E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.3E-07			1.8E-08
AROCLOR-1260			1.6E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	4.1E-07	7.8E-07	1.3E-07			1.1E-08
ANTIMONY													
ARSENIC			1.3E-06	7.3E-07	3.4E-07	9.9E-07	1.1E-06	1.2E-06	7.7E-07	1.4E-05			
CADMIUM			7.3E-11	5.9E-11	6.4E-11	5.7E-11	6.4E-10	2.6E-10	5.7E-11	6.1E-11			
COBALT													
IRON													
LEAD													
MERCURY													
NICKEL			7.9E-11	8.5E-11	9.2E-11	5.2E-11	8.5E-11	1.8E-09	1.4E-10	1.8E-09			
VANADIUM													
HEXAVALENT CHROMIUM			5.8E-07	5.8E-07	4.1E-07	5.2E-07	1.3E-06	8.3E-07	6.9E-07	9.4E-07			
TOTAL CANCER RISK	1.3E-07	6.6E-09	3.5E-06	5.3E-06	1.7E-06	2.0E-05	2.0E-05	8.7E-06	1.3E-04	8.6E-05	2.3E-07	1.1E-07	6.3E-07
RESIDENTIAL													
BAP EQUIVALENT-HALFND	2.8E-06	1.4E-07	2.8E-05	7.9E-05	1.5E-05	4.0E-04	3.7E-04	1.3E-04	2.9E-03	1.5E-03	5.0E-06	2.4E-06	1.3E-05
AROCLOR-1254			8.2E-07	7.7E-07	7.2E-07	6.9E-07	7.2E-07	7.4E-07	7.2E-07	6.4E-07			8.9E-08
AROCLOR-1260			8.2E-07	7.7E-07	7.2E-07	6.9E-07	7.2E-07	2.0E-06	3.9E-06	6.4E-07			5.4E-08
ANTIMONY													
ARSENIC			1.0E-05	5.7E-06	2.6E-06	7.7E-06	8.5E-06	9.1E-06	6.0E-06	1.1E-04			
CADMIUM			1.5E-10	1.2E-10	1.3E-10	1.1E-10	1.3E-09	5.2E-10	1.1E-10	1.2E-10			
COBALT													
IRON													
LEAD													
MERCURY													
NICKEL			1.6E-10	1.7E-10	1.9E-10	1.0E-10	1.7E-10	3.7E-09	2.8E-10	3.6E-09			
VANADIUM													
HEXAVALENT CHROMIUM			8.7E-06	8.7E-06	6.2E-06	7.8E-06	2.0E-05	1.2E-05	1.0E-05	1.4E-05			
TOTAL CANCER RISK	2.8E-06	1.4E-07	4.9E-05	9.5E-05	2.5E-05	4.1E-04	4.0E-04	1.6E-04	2.9E-03	1.7E-03	5.0E-06	2.4E-06	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.1E-07	1.3E-07	4.6E-06	1.3E-07	1.3E-07	3.3E-07			4.1E-07	1.4E-07
AROCLOR-1254			1.7E-08			1.8E-08			1.8E-08	
AROCLOR-1260			8.2E-09			1.8E-08			1.8E-08	
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.1E-07	1.3E-07	4.7E-06	1.3E-07	1.3E-07	3.7E-07			4.4E-07	1.4E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.8E-06	2.8E-06	1.0E-04	2.9E-06	2.9E-06	7.1E-06			8.8E-06	3.1E-06
AROCLOR-1254			8.4E-08			9.2E-08			9.2E-08	
AROCLOR-1260			4.1E-08			9.2E-08			8.9E-08	
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.8E-06	2.8E-06	1.0E-04	2.9E-06	2.9E-06	7.3E-06			9.0E-06	3.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-258	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261
SAMPLE ID	SB-258-SS[18]	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.4E-07	3.7E-06	1.0E-06	1.2E-06	1.6E-06	8.4E-07	2.6E-05	9.8E-06	5.0E-07	7.8E-06
AROCLOR-1254		1.9E-08			1.9E-08			1.8E-08		
AROCLOR-1260		1.2E-06			1.0E-07			3.8E-07		
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.4E-07	4.9E-06	1.0E-06	1.2E-06	1.7E-06	8.4E-07	2.6E-05	1.0E-05	5.0E-07	7.8E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.1E-06	8.1E-05	2.2E-05	2.6E-05	3.5E-05	1.8E-05	5.6E-04	2.1E-04	1.1E-05	1.7E-04
AROCLOR-1254		9.7E-08			9.4E-08			9.2E-08		
AROCLOR-1260		5.9E-06			5.0E-07			1.9E-06		
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.1E-06	8.7E-05	2.2E-05	2.6E-05	3.5E-05	1.8E-05	5.6E-04	2.1E-04	1.1E-05	1.7E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-261	SB-410	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419
SAMPLE ID	SB-261-SS[6]	SB-410-0102	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102
SAMPLE DATE	20050510	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	0.5	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.6E-07	4.2E-08	2.8E-09	5.5E-07	4.9E-07	2.4E-09	1.0E-05	7.3E-07	3.8E-08	4.5E-08	1.5E-07
AROCLOR-1254	1.9E-08										
AROCLOR-1260	1.9E-08										
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.0E-07	4.2E-08	2.8E-09	5.5E-07	4.9E-07	2.4E-09	1.0E-05	7.3E-07	3.8E-08	4.5E-08	1.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.0E-05	9.0E-07	6.0E-08	1.2E-05	1.1E-05	5.3E-08	2.3E-04	1.6E-05	8.3E-07	9.8E-07	3.2E-06
AROCLOR-1254	9.4E-08										
AROCLOR-1260	9.4E-08										
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.0E-05	9.0E-07	6.0E-08	1.2E-05	1.1E-05	5.3E-08	2.3E-04	1.6E-05	8.3E-07	9.8E-07	3.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-420	SB-421	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430
SAMPLE ID	SB-420-0102	SB-421-0102	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.3E-08	2.8E-09	2.6E-09	3.4E-08	3.4E-06	2.6E-07	2.8E-07	1.2E-06	2.2E-07	4.2E-08	6.9E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.3E-08	2.8E-09	2.6E-09	3.4E-08	3.4E-06	2.6E-07	2.8E-07	1.2E-06	2.2E-07	4.2E-08	6.9E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-06	6.0E-08	5.6E-08	7.4E-07	7.4E-05	5.6E-06	6.0E-06	2.6E-05	4.8E-06	9.0E-07	1.5E-04
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-06	6.0E-08	5.6E-08	7.4E-07	7.4E-05	5.6E-06	6.0E-06	2.6E-05	4.8E-06	9.0E-07	1.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-431	SB-432	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441
SAMPLE ID	SB-431-0102	SB-432-0102	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	2.4E-09	1.6E-07	2.6E-09	6.6E-08	1.6E-07	8.0E-07	2.4E-09	5.2E-08	2.6E-09	4.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	2.4E-09	1.6E-07	2.6E-09	6.6E-08	1.6E-07	8.0E-07	2.4E-09	5.2E-08	2.6E-09	4.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-05	5.3E-08	3.4E-06	5.6E-08	1.4E-06	3.5E-06	1.7E-05	5.3E-08	1.1E-06	5.6E-08	9.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-05	5.3E-08	3.4E-06	5.6E-08	1.4E-06	3.5E-06	1.7E-05	5.3E-08	1.1E-06	5.6E-08	9.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-442	SB-443	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452
SAMPLE ID	SB-442-0102	SB-443-0102	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	1.8E-07	3.0E-08	5.9E-08	3.8E-07	2.6E-09	7.6E-08	2.4E-09	4.2E-08	2.6E-09	4.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	1.8E-07	3.0E-08	5.9E-08	3.8E-07	2.6E-09	7.6E-08	2.4E-09	4.2E-08	2.6E-09	4.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	4.0E-06	6.5E-07	1.3E-06	8.3E-06	5.6E-08	1.7E-06	5.3E-08	9.0E-07	5.6E-08	9.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	4.0E-06	6.5E-07	1.3E-06	8.3E-06	5.6E-08	1.7E-06	5.3E-08	9.0E-07	5.6E-08	9.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-453	SB-454	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460
SAMPLE ID	SB-453-0102	SB-454-0102	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	1	1		1		1		1	
BOTTOM DEPTH	2	2	2	2		2		2		2	
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.7E-08	2.8E-09	2.6E-09	2.6E-09	1.0E-06	9.0E-07	3.1E-08	2.6E-09			
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC					5.1E-07	5.9E-07	8.4E-07	8.8E-07	3.3E-07	6.6E-07	3.6E-07
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-08	2.8E-09	2.6E-09	2.6E-09	1.6E-06	1.5E-06	8.7E-07	8.8E-07	3.3E-07	6.6E-07	3.6E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.9E-07	6.0E-08	5.6E-08	5.6E-08	2.3E-05	2.0E-05	6.7E-07	5.6E-08			
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC					4.0E-06	4.6E-06	6.6E-06	6.8E-06	2.6E-06	5.1E-06	2.8E-06
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.9E-07	6.0E-08	5.6E-08	5.6E-08	2.7E-05	2.4E-05	7.2E-06	6.9E-06	2.6E-06	5.1E-06	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-460	SB-461	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-460-0102	SB-461-0000	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1		1		1		1		1
BOTTOM DEPTH	2		2		2		2		2
INDUSTRIAL									
BAP EQUIVALENT-HALFND									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC	7.0E-07	2.9E-07	9.1E-07	4.8E-07	5.9E-07	3.4E-07	3.4E-07	4.4E-07	4.0E-07
CADMIUM									
COBALT									
IRON									
LEAD									
MERCURY									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	7.0E-07	2.9E-07	9.1E-07	4.8E-07	5.9E-07	3.4E-07	3.4E-07	4.4E-07	4.0E-07
RESIDENTIAL									
BAP EQUIVALENT-HALFND									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC	5.4E-06	2.3E-06	7.1E-06	3.7E-06	4.6E-06	2.6E-06	2.6E-06	3.4E-06	3.1E-06
CADMIUM									
COBALT									
IRON									
LEAD									
MERCURY									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.4E-06	2.3E-06	7.1E-06	3.7E-06	4.6E-06	2.6E-06	2.6E-06	3.4E-06	3.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-081	SB-082	SB-083	SB-084	SB-085
SAMPLE ID	G-SB-92RE-1	G-SB-92RE-2	SB-194-SS	SB-195-SS	SB-196-SS	SB-197-SS	SB-198-SS	SB-199-SS	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS
SAMPLE DATE	20090929	20090929	20050511	20050510	20050511	20050511	20050511	20050511	20041109	20041109	20041102	20041103	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	2											
BOTTOM DEPTH	1	2	1	1	1	1	1	1					
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1254			1.3E-03	1.3E-03	1.2E-03	1.4E-03	8.4E-04	1.3E-03	1.1E-02	1.1E-02	1.0E-02	9.8E-03	1.0E-02
AROCLOR-1260													
ANTIMONY			1.4E-03	4.6E-03	2.1E-03	2.3E-03	1.6E-03	2.3E-03	3.7E-03	3.0E-03	3.2E-03	2.9E-03	9.0E-03
ARSENIC	1.2E-02	7.5E-03	2.3E-03	2.3E-03	1.1E-03	1.1E-02	2.3E-03	3.4E-03	8.2E-03	4.6E-03	2.1E-03	6.2E-03	6.8E-03
CADMIUM			6.2E-05	1.2E-04	1.2E-04	1.9E-04	1.2E-04	6.2E-05	2.0E-03	1.6E-03	1.7E-03	1.6E-03	1.7E-02
COBALT			1.3E-02	2.9E-02	5.9E-03	9.5E-02	1.1E-02	1.4E-02					
IRON													
LEAD													
MERCURY			9.4E-05	9.4E-05	9.4E-05	9.4E-05	1.9E-04	9.4E-05	1.0E-03	1.1E-03	2.6E-04	2.0E-02	6.6E-03
NICKEL			1.2E-03	1.2E-03	5.3E-04	1.9E-03	8.5E-04	6.4E-04	1.3E-03	1.4E-03	1.5E-03	8.4E-04	1.4E-03
VANADIUM			2.2E-03	2.8E-03	2.3E-03	4.3E-03	2.5E-03	2.9E-03					
HEXAVALENT CHROMIUM			5.7E-04	7.5E-04	5.8E-04	1.0E-03	6.7E-04	7.1E-04	1.1E-03	1.1E-03	7.7E-04	9.7E-04	2.5E-03
TOTAL HAZARD INDEX	1.2E-02	7.5E-03	2.2E-02	4.3E-02	1.4E-02	1.2E-01	2.0E-02	2.6E-02	2.9E-02	2.4E-02	2.0E-02	4.2E-02	5.4E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1254			1.6E-02	1.7E-02	1.6E-02	1.8E-02	1.1E-02	1.6E-02	1.5E-01	1.4E-01	1.3E-01	1.2E-01	1.3E-01
AROCLOR-1260													
ANTIMONY			2.3E-02	7.6E-02	3.4E-02	3.8E-02	2.7E-02	3.8E-02	6.1E-02	4.9E-02	5.3E-02	4.7E-02	1.5E-01
ARSENIC	2.5E-01	1.5E-01	4.6E-02	4.6E-02	2.3E-02	2.3E-01	4.6E-02	6.9E-02	1.7E-01	9.2E-02	4.3E-02	1.2E-01	1.4E-01
CADMIUM			1.4E-03	2.7E-03	2.7E-03	4.1E-03	2.7E-03	1.4E-03	4.3E-02	3.5E-02	3.8E-02	3.4E-02	3.8E-01
COBALT			3.2E-01	6.9E-01	1.4E-01	2.2E+00	2.5E-01	3.3E-01					
IRON													
LEAD													
MERCURY			1.2E-03	1.2E-03	1.2E-03	1.2E-03	2.4E-03	1.2E-03	1.3E-02	1.4E-02	3.3E-03	2.5E-01	8.4E-02
NICKEL			1.2E-02	1.2E-02	5.5E-03	2.0E-02	8.7E-03	6.5E-03	1.3E-02	1.4E-02	1.5E-02	8.6E-03	1.4E-02
VANADIUM			5.3E-02	6.8E-02	5.5E-02	1.0E-01	5.8E-02	6.9E-02					
HEXAVALENT CHROMIUM			5.1E-03	6.6E-03	5.2E-03	8.9E-03	5.9E-03	6.2E-03	9.5E-03	9.5E-03	6.8E-03	8.6E-03	2.2E-02
TOTAL HAZARD INDEX	2.5E-01	1.5E-01	4.7E-01	9.2E-01	2.8E-01	2.7E+00	4.2E-01	5.4E-01	4.5E-01	3.5E-01	2.9E-01	6.0E-01	9.1E-01

Legend

Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-086	SB-091	SB-092	SB-254	SB-255	SB-256	SB-257	SB-258	SB-259	SB-260	SB-261	SB-457
SAMPLE ID	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[6]	SB-255-SS[6]	SB-256-SS[6]	SB-257-SS[6]	SB-258-SS[6]	SB-259-SS[6]	SB-260-SS[6]	SB-261-SS[6]	SB-457-0000
SAMPLE DATE	20041115	20040927	20040927	20050511	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
BOTTOM DEPTH				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-02	1.0E-02	9.1E-03	1.3E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	
AROCLOR-1260												
ANTIMONY	3.0E-03	2.9E-03	3.1E-03									
ARSENIC	7.3E-03	4.8E-03	8.4E-02									3.2E-03
CADMIUM	7.1E-03	1.6E-03	1.7E-03									
COBALT												
IRON												
LEAD												
MERCURY	1.9E-03	2.4E-04	2.6E-04									
NICKEL	3.0E-02	2.2E-03	2.9E-02									
VANADIUM												
HEXAVALENT CHROMIUM	1.5E-03	1.3E-03	1.7E-03									
TOTAL HAZARD INDEX	6.1E-02	2.3E-02	1.3E-01	1.3E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	3.2E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-01	1.3E-01	1.2E-01	1.6E-02	1.5E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	
AROCLOR-1260												
ANTIMONY	4.9E-02	4.7E-02	5.1E-02									
ARSENIC	1.5E-01	9.7E-02	1.7E+00									6.5E-02
CADMIUM	1.5E-01	3.4E-02	3.6E-02									
COBALT												
IRON												
LEAD												
MERCURY	2.4E-02	3.0E-03	3.3E-03									
NICKEL	3.1E-01	2.3E-02	2.9E-01									
VANADIUM												
HEXAVALENT CHROMIUM	1.4E-02	1.1E-02	1.5E-02									
TOTAL HAZARD INDEX	8.3E-01	3.4E-01	2.2E+00	1.6E-02	1.5E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	6.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461	SB-461	SB-494	SB-494
SAMPLE ID	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000	SB-461-0102	SB-494-0000	SB-494-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1		1		1		1		1		1
BOTTOM DEPTH	2		2		2		2		2		2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC	3.7E-03	5.2E-03	5.5E-03	2.1E-03	4.1E-03	2.3E-03	4.3E-03	1.8E-03	5.7E-03	3.0E-03	3.7E-03
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.7E-03	5.2E-03	5.5E-03	2.1E-03	4.1E-03	2.3E-03	4.3E-03	1.8E-03	5.7E-03	3.0E-03	3.7E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC	7.4E-02	1.1E-01	1.1E-01	4.2E-02	8.3E-02	4.6E-02	8.8E-02	3.7E-02	1.2E-01	6.0E-02	7.4E-02
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	7.4E-02	1.1E-01	1.1E-01	4.2E-02	8.3E-02	4.6E-02	8.8E-02	3.7E-02	1.2E-01	6.0E-02	7.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB
TOP DEPTH		1		1
BOTTOM DEPTH		2		2
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC	2.1E-03	2.1E-03	2.7E-03	2.5E-03
CADMIUM				
COBALT				
IRON				
LEAD				
MERCURY				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	2.1E-03	2.1E-03	2.7E-03	2.5E-03
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC	4.3E-02	4.3E-02	5.5E-02	5.1E-02
CADMIUM				
COBALT				
IRON				
LEAD				
MERCURY				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	4.3E-02	4.3E-02	5.5E-02	5.1E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8	G-SB-196RE-9
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8	9
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.5E-08	2.6E-09	1.8E-07	7.2E-08	1.5E-06	2.0E-07	1.6E-07	1.2E-07	2.8E-09	1.1E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.5E-08	2.6E-09	1.8E-07	7.2E-08	1.5E-06	2.0E-07	1.6E-07	1.2E-07	2.8E-09	1.1E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.6E-07	5.6E-08	3.8E-06	1.6E-06	3.2E-05	4.3E-06	3.4E-06	2.5E-06	6.0E-08	2.4E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.6E-07	5.6E-08	3.8E-06	1.6E-06	3.2E-05	4.3E-06	3.4E-06	2.5E-06	6.0E-08	2.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6	G-SB-198RE-7	G-SB-198RE-8
SAMPLE DATE	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019	20091019
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	7	3	4	5	6	7	8
BOTTOM DEPTH	6	6	6	7	3	4	5	6	7	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	8.2E-08	1.3E-07	1.7E-07	2.8E-09	1.2E-07	2.2E-06	3.0E-07	1.6E-06	2.6E-09	2.8E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.2E-08	1.3E-07	1.7E-07	2.8E-09	1.2E-07	2.2E-06	3.0E-07	1.6E-06	2.6E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.8E-06	2.7E-06	3.7E-06	6.0E-08	2.6E-06	4.8E-05	6.6E-06	3.5E-05	5.6E-08	6.0E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.8E-06	2.7E-06	3.7E-06	6.0E-08	2.6E-06	4.8E-05	6.6E-06	3.5E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424	SB-424	SB-424	SB-424
SAMPLE ID	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6
SAMPLE DATE	20091019	20090930	20090930	20091001	20091001	20091001	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	7	3	4	5	5	5	5	6
BOTTOM DEPTH	9	6	7	3	4	5	5	5	5	6
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	4.8E-08	4.4E-08	1.5E-07	2.6E-09	3.7E-07	6.0E-09	4.3E-09	2.6E-09	2.6E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	4.8E-08	4.4E-08	1.5E-07	2.6E-09	3.7E-07	6.0E-09	4.3E-09	2.6E-09	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	1.0E-06	9.5E-07	3.2E-06	5.6E-08	8.0E-06	1.3E-07	9.3E-08	5.6E-08	5.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	1.0E-06	9.5E-07	3.2E-06	5.6E-08	8.0E-06	1.3E-07	9.3E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453	SB-456	SB-456	SB-457	SB-457
SAMPLE ID	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20090930	20090930	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	7	8	5	6	10	9	3	4
BOTTOM DEPTH	3	4	7	8	5	6	10	9	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-07	3.8E-08	8.2E-08	8.1E-08	2.7E-07	4.9E-07	1.2E-07	4.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-07	3.8E-08	8.2E-08	8.1E-08	2.7E-07	4.9E-07	1.2E-07	4.6E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-06	8.2E-07	1.8E-06	1.8E-06	5.9E-06	1.1E-05	2.6E-06	1.0E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-06	8.2E-07	1.8E-06	1.8E-06	5.9E-06	1.1E-05	2.6E-06	1.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A
SAMPLE ID	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	9	9	3	5	7
BOTTOM DEPTH	3	5	6	7	8	9	9	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.2E-08	1.8E-05	1.4E-08	2.9E-09	2.4E-09	2.4E-09	2.5E-09	2.6E-09	2.4E-09	1.3E-05	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.2E-08	1.8E-05	1.4E-08	2.9E-09	2.4E-09	2.4E-09	2.5E-09	2.6E-09	2.4E-09	1.3E-05	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.3E-06	3.9E-04	2.9E-07	6.4E-08	5.3E-08	5.3E-08	5.4E-08	5.6E-08	5.3E-08	2.8E-04	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-06	3.9E-04	2.9E-07	6.4E-08	5.3E-08	5.3E-08	5.4E-08	5.6E-08	5.3E-08	2.8E-04	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653B	SB-653B	SB-653B	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C
SAMPLE ID	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	3
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.0E-07	3.4E-07	1.2E-07	2.6E-09	1.7E-07	2.6E-09	2.4E-07	2.3E-07	2.7E-08	3.5E-05	9.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.0E-07	3.4E-07	1.2E-07	2.6E-09	1.7E-07	2.6E-09	2.4E-07	2.3E-07	2.7E-08	3.5E-05	9.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.2E-06	7.4E-06	2.6E-06	5.6E-08	3.7E-06	5.6E-08	5.1E-06	5.0E-06	5.9E-07	7.6E-04	2.1E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-06	7.4E-06	2.6E-06	5.6E-08	3.7E-06	5.6E-08	5.1E-06	5.0E-06	5.9E-07	7.6E-04	2.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-654C	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-654C-5	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8	G-SB-656C-8-AVG
SAMPLE DATE	20091030	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	6	7	8	9	4	6	8	8
BOTTOM DEPTH	5	3	5	6	7	8	9	4	6	8	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	3.4E-08	1.5E-06	6.1E-07	9.1E-09	2.8E-09	2.6E-09	1.1E-07	2.3E-07	2.8E-09	2.7E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.4E-08	1.5E-06	6.1E-07	9.1E-09	2.8E-09	2.6E-09	1.1E-07	2.3E-07	2.8E-09	2.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	7.4E-07	3.3E-05	1.3E-05	2.0E-07	6.0E-08	5.6E-08	2.4E-06	5.0E-06	6.0E-08	5.8E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	7.4E-07	3.3E-05	1.3E-05	2.0E-07	6.0E-08	5.6E-08	2.4E-06	5.0E-06	6.0E-08	5.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D	G-SB-657A-7	G-SB-657A-9
SAMPLE DATE	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	3	5	5	5	7	9
BOTTOM DEPTH	8	4	6	8	3	5	5	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	7.7E-08	7.6E-08	5.7E-08	1.2E-07	4.2E-06	3.7E-06	3.3E-06	7.4E-07	2.1E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	7.7E-08	7.6E-08	5.7E-08	1.2E-07	4.2E-06	3.7E-06	3.3E-06	7.4E-07	2.1E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	1.7E-06	1.7E-06	1.2E-06	2.7E-06	9.1E-05	8.1E-05	7.1E-05	1.6E-05	4.4E-04
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	1.7E-06	1.7E-06	1.2E-06	2.7E-06	9.1E-05	8.1E-05	7.1E-05	1.6E-05	4.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-657D	SB-658B
SAMPLE ID	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.2E-08	5.0E-06	2.8E-06	7.0E-07	5.0E-08	2.3E-06	1.5E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.2E-08	5.0E-06	2.8E-06	7.0E-07	5.0E-08	2.3E-06	1.5E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-06	1.1E-04	6.1E-05	1.5E-05	1.1E-06	4.9E-05	3.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-06	1.1E-04	6.1E-05	1.5E-05	1.1E-06	4.9E-05	3.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C
SAMPLE ID	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.9E-06	2.6E-09	2.2E-07	1.1E-07	2.4E-06	7.6E-08	1.4E-06	3.0E-08	1.4E-08	2.6E-09	5.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-06	2.6E-09	2.2E-07	1.1E-07	2.4E-06	7.6E-08	1.4E-06	3.0E-08	1.4E-08	2.6E-09	5.7E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.2E-05	5.6E-08	4.8E-06	2.4E-06	5.2E-05	1.6E-06	3.1E-05	6.5E-07	3.0E-07	5.6E-08	1.2E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.2E-05	5.6E-08	4.8E-06	2.4E-06	5.2E-05	1.6E-06	3.1E-05	6.5E-07	3.0E-07	5.6E-08	1.2E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-659D	SB-659D	SB-659D	SB-659D	SB-659D	SB-659D	SB-661	SB-661	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	6	7	10	6	7
BOTTOM DEPTH	3	5	7	7	7	9	6	7	10	6	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	8.3E-08	7.0E-08	5.8E-08	2.6E-09	2.8E-09	2.6E-09	4.8E-07	3.0E-06	8.1E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	8.3E-08	7.0E-08	5.8E-08	2.6E-09	2.8E-09	2.6E-09	4.8E-07	3.0E-06	8.1E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.8E-06	1.5E-06	1.2E-06	5.6E-08	6.0E-08	5.6E-08	1.0E-05	6.4E-05	1.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.8E-06	1.5E-06	1.2E-06	5.6E-08	6.0E-08	5.6E-08	1.0E-05	6.4E-05	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662	SB-662	SB-662A	SB-662A	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B
SAMPLE ID	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D
SAMPLE DATE	20091001	20091001	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.9E-09	1.5E-05	2.1E-07	1.8E-07	7.6E-08	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.9E-09	1.5E-05	2.1E-07	1.8E-07	7.6E-08	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.2E-07	3.2E-04	4.5E-06	3.8E-06	1.6E-06	5.3E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-07	3.2E-04	4.5E-06	3.8E-06	1.6E-06	5.3E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662B	SB-662C	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662B-9	G-SB-662C-3	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	6	6	7	6	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-05	2.1E-05	6.7E-08	6.0E-09	7.9E-06	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	2.1E-05	6.7E-08	6.0E-09	7.9E-06	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-04	4.6E-04	1.5E-06	1.3E-07	1.7E-04	6.0E-08	5.8E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-04	4.6E-04	1.5E-06	1.3E-07	1.7E-04	6.0E-08	5.8E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3	4	5	6	7
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.9E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.9E-09	2.8E-09	2.9E-09	8.5E-07	4.2E-07	5.3E-05	1.5E-06	3.0E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.9E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.9E-09	2.8E-09	2.9E-09	8.5E-07	4.2E-07	5.3E-05	1.5E-06	3.0E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	6.4E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.4E-08	6.0E-08	6.4E-08	1.8E-05	9.1E-06	1.1E-03	3.3E-05	6.5E-05
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.4E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.4E-08	6.0E-08	6.4E-08	1.8E-05	9.1E-06	1.1E-03	3.3E-05	6.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C
SAMPLE ID	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5
SAMPLE DATE	20091019	20091019	20091019	20091019	20091029	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	8	9	10	3	5	7	9	3	5
BOTTOM DEPTH	7	7	8	9	10	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.5E-06	2.8E-09	4.4E-07	6.9E-06	2.8E-09	6.6E-07	6.1E-08	2.9E-09	2.9E-09	8.4E-08	1.2E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-06	2.8E-09	4.4E-07	6.9E-06	2.8E-09	6.6E-07	6.1E-08	2.9E-09	2.9E-09	8.4E-08	1.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.2E-05	6.0E-08	9.5E-06	1.5E-04	6.0E-08	1.4E-05	1.3E-06	6.4E-08	6.4E-08	1.8E-06	2.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-05	6.0E-08	9.5E-06	1.5E-04	6.0E-08	1.4E-05	1.3E-06	6.4E-08	6.4E-08	1.8E-06	2.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671C	SB-671C	SB-671C	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674
SAMPLE ID	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	6	7	6
BOTTOM DEPTH	7	7	7	9	3	5	7	9	6	7	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.7E-09	2.8E-09	2.8E-09	3.9E-07	2.8E-09	1.6E-08	5.6E-08	2.6E-09	2.6E-09	1.4E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.7E-09	2.8E-09	2.8E-09	3.9E-07	2.8E-09	1.6E-08	5.6E-08	2.6E-09	2.6E-09	1.4E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.8E-08	6.0E-08	6.0E-08	8.5E-06	6.0E-08	3.6E-07	1.2E-06	5.6E-08	5.6E-08	3.0E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.8E-08	6.0E-08	6.0E-08	8.5E-06	6.0E-08	3.6E-07	1.2E-06	5.6E-08	5.6E-08	3.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-674	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-674-7	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7	G-SB-677-8	G-SB-677-9
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	6	7	6	7	3	4	5	6	7	8	9
BOTTOM DEPTH	7	6	7	6	7	3	4	5	6	7	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.2E-08	4.4E-07	5.6E-08	2.6E-09	2.8E-09	1.6E-07	1.4E-07	6.3E-06	7.2E-08	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.2E-08	4.4E-07	5.6E-08	2.6E-09	2.8E-09	1.6E-07	1.4E-07	6.3E-06	7.2E-08	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.0E-06	9.5E-06	1.2E-06	5.6E-08	6.0E-08	3.4E-06	3.0E-06	1.4E-04	1.6E-06	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-06	9.5E-06	1.2E-06	5.6E-08	6.0E-08	3.4E-06	3.0E-06	1.4E-04	1.6E-06	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B	SB-677B	SB-677B	SB-677B	SB-677D
SAMPLE ID	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	9	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-07	9.3E-07	1.4E-08	7.3E-08	1.5E-07	4.1E-07	2.6E-09	7.0E-07	1.1E-06	1.6E-06	4.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	9.3E-07	1.4E-08	7.3E-08	1.5E-07	4.1E-07	2.6E-09	7.0E-07	1.1E-06	1.6E-06	4.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.0E-06	2.0E-05	3.1E-07	1.6E-06	3.3E-06	9.0E-06	5.6E-08	1.5E-05	2.5E-05	3.4E-05	9.3E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-06	2.0E-05	3.1E-07	1.6E-06	3.3E-06	9.0E-06	5.6E-08	1.5E-05	2.5E-05	3.4E-05	9.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-677D	SB-677D	SB-677D	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678
SAMPLE ID	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9
SAMPLE DATE	20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	5	6	7	8	8	8	9
BOTTOM DEPTH	5	7	9	3	4	5	6	7	8	8	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.6E-05	2.7E-07	1.3E-07	1.3E-07	3.6E-07	6.6E-06	3.7E-07	1.3E-06	2.6E-09	6.0E-08	1.2E-07	8.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	2.7E-07	1.3E-07	1.3E-07	3.6E-07	6.6E-06	3.7E-07	1.3E-06	2.6E-09	6.0E-08	1.2E-07	8.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.6E-04	5.9E-06	2.8E-06	2.7E-06	7.8E-06	1.4E-04	8.0E-06	2.8E-05	5.6E-08	1.3E-06	2.5E-06	1.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-04	5.9E-06	2.8E-06	2.7E-06	7.8E-06	1.4E-04	8.0E-06	2.8E-05	5.6E-08	1.3E-06	2.5E-06	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3	G-SB-678B-3-AVG	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.8E-08	6.3E-08	4.7E-08	4.8E-07	2.6E-09	3.3E-06	2.6E-09	2.6E-09	2.8E-09	9.6E-08	2.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-08	6.3E-08	4.7E-08	4.8E-07	2.6E-09	3.3E-06	2.6E-09	2.6E-09	2.8E-09	9.6E-08	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	1.4E-06	1.0E-06	1.0E-05	5.6E-08	7.1E-05	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.4E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	1.4E-06	1.0E-06	1.0E-05	5.6E-08	7.1E-05	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7	G-SB-679C-9	G-SB-679C-9-AVG
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7	9	9
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7	9	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.0E-08	7.7E-07	1.3E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.9E-07	1.9E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.0E-08	7.7E-07	1.3E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.9E-07	1.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	8.7E-07	1.7E-05	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	8.4E-06	4.2E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.7E-07	1.7E-05	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	8.4E-06	4.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680
SAMPLE ID	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020	20091020	20091020
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	4	5	6	7	8	9
BOTTOM DEPTH	9	3	5	7	9	3	4	5	6	7	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	5.9E-08	2.6E-09	7.1E-08	8.2E-08	2.8E-06	3.9E-06	8.6E-05	2.1E-06	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	5.9E-08	2.6E-09	7.1E-08	8.2E-08	2.8E-06	3.9E-06	8.6E-05	2.1E-06	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.3E-06	5.6E-08	1.5E-06	1.8E-06	6.0E-05	8.4E-05	1.9E-03	4.5E-05	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.3E-06	5.6E-08	1.5E-06	1.8E-06	6.0E-05	8.4E-05	1.9E-03	4.5E-05	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-680D	SB-680D	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684	SB-684
SAMPLE ID	G-SB-680D-3	G-SB-680D-7	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG	G-SB-684-5-D
SAMPLE DATE	20091102	20091102	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	7	9	5	6	5	6	5	6	5	5	5
BOTTOM DEPTH	3	7	9	5	6	5	6	5	6	5	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-07	7.2E-06	3.6E-08	2.9E-07	2.6E-09	2.6E-09	8.2E-08	5.2E-07	2.8E-09	9.6E-09	2.0E-07	3.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-07	7.2E-06	3.6E-08	2.9E-07	2.6E-09	2.6E-09	8.2E-08	5.2E-07	2.8E-09	9.6E-09	2.0E-07	3.9E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.7E-06	1.6E-04	7.7E-07	6.2E-06	5.6E-08	5.6E-08	1.8E-06	1.1E-05	6.0E-08	2.1E-07	4.4E-06	8.5E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.7E-06	1.6E-04	7.7E-07	6.2E-06	5.6E-08	5.6E-08	1.8E-06	1.1E-05	6.0E-08	2.1E-07	4.4E-06	8.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687	SB-687	SB-688	SB-688	SB-689
SAMPLE ID	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7
SAMPLE DATE	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	3	4	4	4	3	4	3	4	3	4	7
BOTTOM DEPTH	6	3	4	4	4	3	4	3	4	3	4	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	3.8E-08	1.6E-07	1.5E-07	1.4E-07	2.4E-09	2.6E-09	3.5E-08	5.5E-08	4.4E-08	2.8E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	3.8E-08	1.6E-07	1.5E-07	1.4E-07	2.4E-09	2.6E-09	3.5E-08	5.5E-08	4.4E-08	2.8E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	8.2E-07	3.6E-06	3.3E-06	3.0E-06	5.3E-08	5.6E-08	7.6E-07	1.2E-06	9.6E-07	6.0E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	8.2E-07	3.6E-06	3.3E-06	3.0E-06	5.3E-08	5.6E-08	7.6E-07	1.2E-06	9.6E-07	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-689	SB-690	SB-690	SB-690	SB-690	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20090930	20090930	20090929	20090929	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	7	7	7	8	7	8	7	8	5	6	7
BOTTOM DEPTH	8	7	7	7	8	7	8	7	8	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.2E-08	4.1E-08	2.6E-09	1.2E-08	2.8E-09	2.6E-09	2.6E-09	1.5E-05	7.3E-08	9.3E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.2E-08	4.1E-08	2.6E-09	1.2E-08	2.8E-09	2.6E-09	2.6E-09	1.5E-05	7.3E-08	9.3E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	4.8E-07	9.0E-07	5.6E-08	2.6E-07	6.0E-08	5.6E-08	5.6E-08	3.4E-04	1.6E-06	2.0E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.4E-08	4.8E-07	9.0E-07	5.6E-08	2.6E-07	6.0E-08	5.6E-08	5.6E-08	3.4E-04	1.6E-06	2.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-693	SB-693	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693-8	G-SB-693-9	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091001	20091001	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	8	9	4	6	8	4	6	8	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	9.3E-09	1.9E-07	1.3E-06	8.4E-07	2.7E-07	8.1E-08	4.9E-08	5.3E-08	2.7E-06	2.2E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	9.3E-09	1.9E-07	1.3E-06	8.4E-07	2.7E-07	8.1E-08	4.9E-08	5.3E-08	2.7E-06	2.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	2.0E-07	4.1E-06	2.9E-05	1.8E-05	5.8E-06	1.8E-06	1.1E-06	1.2E-06	5.9E-05	4.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	2.0E-07	4.1E-06	2.9E-05	1.8E-05	5.8E-06	1.8E-06	1.1E-06	1.2E-06	5.9E-05	4.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696	SB-696	SB-697
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5	G-SB-696-6	G-SB-697-10
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5	6	10
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5	6	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.2E-06	2.2E-06	6.8E-08	2.8E-09	1.7E-07	1.5E-07	1.3E-07	8.6E-08	1.5E-07	4.4E-07	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-06	2.2E-06	6.8E-08	2.8E-09	1.7E-07	1.5E-07	1.3E-07	8.6E-08	1.5E-07	4.4E-07	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.7E-05	4.8E-05	1.5E-06	6.0E-08	3.7E-06	3.3E-06	2.9E-06	1.9E-06	3.2E-06	9.5E-06	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-05	4.8E-05	1.5E-06	6.0E-08	3.7E-06	3.3E-06	2.9E-06	1.9E-06	3.2E-06	9.5E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700	SB-701	SB-701	SB-702	SB-702	SB-703
SAMPLE ID	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7
SAMPLE DATE	20090930	20090930	20090930	20090929	20090929	20090929	20090929	20090929	20090929	20091007	20091007	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	9	3	4	3	4	3	4	3	4	7
BOTTOM DEPTH	9	10	9	3	4	3	4	3	4	3	4	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	6.2E-08	8.6E-09	4.7E-07	4.9E-08	5.9E-08	1.1E-07	2.3E-07	2.2E-07	2.6E-09	1.1E-08	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	6.2E-08	8.6E-09	4.7E-07	4.9E-08	5.9E-08	1.1E-07	2.3E-07	2.2E-07	2.6E-09	1.1E-08	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	1.3E-06	1.9E-07	1.0E-05	1.1E-06	1.3E-06	2.5E-06	5.1E-06	4.9E-06	5.6E-08	2.3E-07	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	1.3E-06	1.9E-07	1.0E-05	1.1E-06	1.3E-06	2.5E-06	5.1E-06	4.9E-06	5.6E-08	2.3E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-703	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706
SAMPLE ID	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	3	4	5	6	7	8	9	3	4	10
BOTTOM DEPTH	8	10	3	4	5	6	7	8	9	3	4	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707	SB-707	SB-708
SAMPLE ID	G-SB-706-3	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3	G-SB-707-4	G-SB-708-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	6	6	7	8	9	3	4	3
BOTTOM DEPTH	3	4	5	6	6	6	7	8	9	3	4	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-08	2.6E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.9E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.9E-08	2.6E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.9E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	5.6E-08	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	4.1E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	5.6E-08	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	4.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712
SAMPLE ID	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4
SAMPLE DATE	20091007	20091007	20091007	20091007	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	4	4	4	3	4
BOTTOM DEPTH	4	5	6	7	3	4	3	4	4	4	3	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.8E-06	3.1E-07	2.8E-09	2.6E-09	1.8E-07	2.8E-09	8.3E-08	2.8E-09	2.8E-09	2.8E-09	2.4E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.8E-06	3.1E-07	2.8E-09	2.6E-09	1.8E-07	2.8E-09	8.3E-08	2.8E-09	2.8E-09	2.8E-09	2.4E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.1E-04	6.8E-06	6.0E-08	5.6E-08	3.8E-06	6.0E-08	1.8E-06	6.0E-08	6.0E-08	6.0E-08	5.3E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-04	6.8E-06	6.0E-08	5.6E-08	3.8E-06	6.0E-08	1.8E-06	6.0E-08	6.0E-08	6.0E-08	5.3E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-713	SB-713	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-713-3	G-SB-713-4	G-SB-714-3	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	3	4	3	4	5	6	6	6	7	3	4	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-06	8.6E-06	1.6E-05	1.8E-04	9.4E-05	4.2E-06	8.3E-06	1.7E-07	7.9E-08	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-06	8.6E-06	1.6E-05	1.8E-04	9.4E-05	4.2E-06	8.3E-06	1.7E-07	7.9E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.2E-05	1.9E-04	3.4E-04	4.0E-03	2.0E-03	9.1E-05	1.8E-04	3.6E-06	1.7E-06	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.2E-05	1.9E-04	3.4E-04	4.0E-03	2.0E-03	9.1E-05	1.8E-04	3.6E-06	1.7E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718	SB-718	SB-719	SB-719	SB-720
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3	4	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3	4	3	4	3
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	8.2E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	8.2E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.8E-04
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.8E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-720	SB-720	SB-720	SB-720	SB-721	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723
SAMPLE ID	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	5	6	7	3	4	3
BOTTOM DEPTH	4	5	6	7	3	4	5	6	7	3	4	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.1E-07	3.5E-08	4.0E-09	9.1E-09	1.7E-08	2.2E-06	3.8E-09	3.8E-09	4.0E-09	2.8E-08	4.9E-07	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.1E-07	3.5E-08	4.0E-09	9.1E-09	1.7E-08	2.2E-06	3.8E-09	3.8E-09	4.0E-09	2.8E-08	4.9E-07	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.3E-05	7.6E-07	8.6E-08	2.0E-07	3.7E-07	4.8E-05	8.3E-08	8.3E-08	8.6E-08	6.2E-07	1.1E-05	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-05	7.6E-07	8.6E-08	2.0E-07	3.7E-07	4.8E-05	8.3E-08	8.3E-08	8.6E-08	6.2E-07	1.1E-05	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-723	SB-723	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-723-3-AVG	G-SB-723-3-D	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3	G-SB-726-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	4	3	4	6	7	3	4	10	3	4
BOTTOM DEPTH	3	3	4	3	4	6	7	3	4	10	3	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.9E-09	9.0E-09	2.8E-09	1.1E-05	2.9E-06	1.6E-07	2.8E-09	2.6E-09	2.6E-09	3.8E-09	1.5E-05	3.6E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.9E-09	9.0E-09	2.8E-09	1.1E-05	2.9E-06	1.6E-07	2.8E-09	2.6E-09	2.6E-09	3.8E-09	1.5E-05	3.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.3E-07	1.9E-07	6.0E-08	2.3E-04	6.3E-05	3.5E-06	6.0E-08	5.6E-08	5.6E-08	8.3E-08	3.2E-04	7.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-07	1.9E-07	6.0E-08	2.3E-04	6.3E-05	3.5E-06	6.0E-08	5.6E-08	5.6E-08	8.3E-08	3.2E-04	7.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727	SB-727	SB-727	SB-728	SB-728	SB-729
SAMPLE ID	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-729-3
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	5	6	7	3	4	3
BOTTOM DEPTH	5	6	7	8	9	3	4	5	6	7	3	4	3
INDUSTRIAL													
BAP EQUIVALENT-HALFND	8.5E-09	3.8E-09	4.2E-09	3.8E-09	1.6E-08	2.0E-06	1.0E-07	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.3E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	8.5E-09	3.8E-09	4.2E-09	3.8E-09	1.6E-08	2.0E-06	1.0E-07	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.3E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.8E-07	8.3E-08	9.0E-08	8.3E-08	3.4E-07	4.3E-05	2.2E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	7.2E-05
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.8E-07	8.3E-08	9.0E-08	8.3E-08	3.4E-07	4.3E-05	2.2E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	7.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-729	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732	SB-732	SB-732	SB-732
SAMPLE ID	G-SB-729-4	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4	G-SB-732-5	G-SB-732-6	G-SB-732-7
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	4	5	3	4	3	4	5	6	7
BOTTOM DEPTH	4	5	6	7	4	5	3	4	3	4	5	6	7
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.1E-07	1.2E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.8E-09	2.6E-06	2.3E-07	3.8E-09	1.7E-08	3.8E-09
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.1E-07	1.2E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.8E-09	2.6E-06	2.3E-07	3.8E-09	1.7E-08	3.8E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	4.5E-06	2.6E-07	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	6.0E-08	5.7E-05	4.9E-06	8.3E-08	3.7E-07	8.3E-08
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	4.5E-06	2.6E-07	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	6.0E-08	5.7E-05	4.9E-06	8.3E-08	3.7E-07	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A
SAMPLE ID	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5
SAMPLE DATE	20090924	20090924	20090923	20090923	20091021	20091021	20091021	20091021	20091021	20091103	20091112	20091112
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	6	7	3	5	5	5	7	9	3	5
BOTTOM DEPTH	3	4	6	7	3	5	5	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	2.8E-09	7.3E-07	1.3E-05	2.9E-05	4.5E-05	1.2E-05	9.2E-07	9.7E-06	2.0E-04
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	2.8E-09	7.3E-07	1.3E-05	2.9E-05	4.5E-05	1.2E-05	9.2E-07	9.7E-06	2.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	6.0E-08	1.6E-05	2.9E-04	6.4E-04	9.9E-04	2.7E-04	2.0E-05	2.1E-04	4.3E-03
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	6.0E-08	1.6E-05	2.9E-04	6.4E-04	9.9E-04	2.7E-04	2.0E-05	2.1E-04	4.3E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-735A	SB-735B	SB-735B	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736
SAMPLE ID	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	7	7	9	3	5	7	3
BOTTOM DEPTH	9	3	5	7	7	7	9	3	5	7	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.5E-07	1.0E-07	6.5E-08	3.3E-08	4.2E-08	5.1E-08	5.4E-08	6.4E-08	2.6E-07	2.4E-07	2.9E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.5E-07	1.0E-07	6.5E-08	3.3E-08	4.2E-08	5.1E-08	5.4E-08	6.4E-08	2.6E-07	2.4E-07	2.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.8E-06	2.2E-06	1.4E-06	7.1E-07	9.1E-07	1.1E-06	1.2E-06	1.4E-06	5.5E-06	5.3E-06	6.4E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.8E-06	2.2E-06	1.4E-06	7.1E-07	9.1E-07	1.1E-06	1.2E-06	1.4E-06	5.5E-06	5.3E-06	6.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-736B	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737	SB-737	SB-738
SAMPLE ID	G-SB-736B-3	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5	G-SB-737-7	G-SB-738-4
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021	20091021	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	4
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.6E-06	1.1E-06	3.2E-08	2.8E-09	2.4E-07	6.7E-07	2.6E-09	9.5E-08	2.8E-09	2.6E-09	2.6E-09	3.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.6E-06	1.1E-06	3.2E-08	2.8E-09	2.4E-07	6.7E-07	2.6E-09	9.5E-08	2.8E-09	2.6E-09	2.6E-09	3.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	9.9E-05	2.4E-05	7.0E-07	6.0E-08	5.1E-06	1.4E-05	5.6E-08	2.1E-06	6.0E-08	5.6E-08	5.6E-08	7.9E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-05	2.4E-05	7.0E-07	6.0E-08	5.1E-06	1.4E-05	5.6E-08	2.1E-06	6.0E-08	5.6E-08	5.6E-08	7.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-738	SB-738	SB-739	SB-739	SB-739	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742
SAMPLE ID	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	8	4	6	8	4	6
INDUSTRIAL													
BAP EQUIVALENT-HALFND	4.0E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	1.0E-08	3.8E-09	4.0E-08	1.5E-08
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	4.0E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	1.0E-08	3.8E-09	4.0E-08	1.5E-08
RESIDENTIAL													
BAP EQUIVALENT-HALFND	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	2.2E-07	8.3E-08	8.6E-07	3.3E-07
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	2.2E-07	8.3E-08	8.6E-07	3.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-742	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-742-8	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D	G-SB-745-6	G-SB-745-8
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	1.9E-07	3.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	1.9E-07	3.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	4.2E-06	8.3E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	4.2E-06	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747	SB-747	SB-747	SB-748	SB-748	SB-748
SAMPLE ID	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8
SAMPLE DATE	20091021	20091021	20091021	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	4	4	4	6	8	4	6	8	4	6	8
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.9E-09	3.8E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	3.8E-09	8.5E-09	3.8E-09	3.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.9E-09	3.8E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	3.8E-09	8.5E-09	3.8E-09	3.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.4E-08	8.3E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	8.3E-08	1.8E-07	8.3E-08	8.3E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.4E-08	8.3E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	8.3E-08	1.8E-07	8.3E-08	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-749	SB-749	SB-750	SB-750	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753
SAMPLE ID	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	4	6	4	6	6	6	4	6
BOTTOM DEPTH	4	6	4	6	4	6	4	6	6	6	4	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.4E-09	2.6E-09	1.3E-07	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.4E-09	2.6E-09	1.3E-07	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.3E-08	5.6E-08	2.9E-06	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.3E-08	5.6E-08	2.9E-06	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-754	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757	SB-758	SB-758
SAMPLE ID	G-SB-754-4	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6	G-SB-758-4	G-SB-758-6
SAMPLE DATE	20091021	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4	6	4	6
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4	6	4	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	5.2E-08	5.2E-08	2.8E-08	2.6E-09	2.6E-09	1.3E-05	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	5.2E-08	5.2E-08	2.8E-08	2.6E-09	2.6E-09	1.3E-05	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.1E-06	1.1E-06	6.0E-07	5.6E-08	5.6E-08	2.8E-04	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.1E-06	1.1E-06	6.0E-07	5.6E-08	5.6E-08	2.8E-04	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761	SB-761	SB-761	SB-761	SB-761A	SB-761A
SAMPLE ID	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5
SAMPLE DATE	20091113	20091113	20091113	20091113	20091113	20091113	20090930	20090930	20090930	20090930	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.6E-06	2.9E-09	4.5E-08	4.2E-06	1.5E-06	2.8E-09	2.6E-09	1.0E-07	2.8E-09	2.4E-05	8.1E-08	1.2E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.6E-06	2.9E-09	4.5E-08	4.2E-06	1.5E-06	2.8E-09	2.6E-09	1.0E-07	2.8E-09	2.4E-05	8.1E-08	1.2E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.4E-04	6.4E-08	9.8E-07	9.1E-05	3.3E-05	6.0E-08	5.6E-08	2.3E-06	6.0E-08	5.3E-04	1.7E-06	2.6E-04
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-04	6.4E-08	9.8E-07	9.1E-05	3.3E-05	6.0E-08	5.6E-08	2.3E-06	6.0E-08	5.3E-04	1.7E-06	2.6E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761A	SB-761A	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C
SAMPLE ID	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	3	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	9.1E-06	2.7E-07	3.5E-07	4.4E-07	2.0E-07	9.2E-08	4.8E-06	5.4E-08	9.7E-07	9.2E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	9.1E-06	2.7E-07	3.5E-07	4.4E-07	2.0E-07	9.2E-08	4.8E-06	5.4E-08	9.7E-07	9.2E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	2.0E-04	5.9E-06	7.7E-06	9.5E-06	4.4E-06	2.0E-06	1.0E-04	1.2E-06	2.1E-05	2.0E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	2.0E-04	5.9E-06	7.7E-06	9.5E-06	4.4E-06	2.0E-06	1.0E-04	1.2E-06	2.1E-05	2.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761C-9	G-SB-761D-3	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	7	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.2E-07	6.0E-08	1.4E-06	2.8E-09	2.7E-09	2.6E-09	9.7E-05	2.6E-09	1.2E-06	6.5E-08	1.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-07	6.0E-08	1.4E-06	2.8E-09	2.7E-09	2.6E-09	9.7E-05	2.6E-09	1.2E-06	6.5E-08	1.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.8E-06	1.3E-06	2.9E-05	6.0E-08	5.8E-08	5.6E-08	2.1E-03	5.6E-08	2.7E-05	1.4E-06	2.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.8E-06	1.3E-06	2.9E-05	6.0E-08	5.8E-08	5.6E-08	2.1E-03	5.6E-08	2.7E-05	1.4E-06	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C	SB-762C	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3	G-SB-762C-5	G-SB-762C-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.0E-09	4.9E-08	3.9E-08	4.7E-05	2.6E-09	2.8E-09	2.8E-09	4.5E-07	2.6E-09	2.2E-06	1.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-09	4.9E-08	3.9E-08	4.7E-05	2.6E-09	2.8E-09	2.8E-09	4.5E-07	2.6E-09	2.2E-06	1.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.3E-07	1.1E-06	8.5E-07	1.0E-03	5.6E-08	6.0E-08	6.0E-08	9.7E-06	5.6E-08	4.7E-05	3.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-07	1.1E-06	8.5E-07	1.0E-03	5.6E-08	6.0E-08	6.0E-08	9.7E-06	5.6E-08	4.7E-05	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763	SB-763
SAMPLE ID	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	3	3	5	7
BOTTOM DEPTH	3	5	7	7	7	9	3	3	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	8.3E-07	2.8E-09	2.8E-09	2.8E-09	1.7E-05	5.6E-08	3.4E-08	1.2E-08	3.3E-07	7.8E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	8.3E-07	2.8E-09	2.8E-09	2.8E-09	1.7E-05	5.6E-08	3.4E-08	1.2E-08	3.3E-07	7.8E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	1.8E-05	6.0E-08	6.0E-08	6.0E-08	3.8E-04	1.2E-06	7.3E-07	2.5E-07	7.3E-06	1.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	1.8E-05	6.0E-08	6.0E-08	6.0E-08	3.8E-04	1.2E-06	7.3E-07	2.5E-07	7.3E-06	1.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763	SB-763A	SB-763A	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C
SAMPLE ID	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5
SAMPLE DATE	20091001	20091023	20091023	20091023	20091023	20091027	20091027	20091027	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.5E-08	6.0E-09	4.1E-08	2.8E-09	5.3E-06	2.6E-09	5.4E-05	6.0E-09	9.4E-07	5.8E-08	3.2E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-08	6.0E-09	4.1E-08	2.8E-09	5.3E-06	2.6E-09	5.4E-05	6.0E-09	9.4E-07	5.8E-08	3.2E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.2E-07	1.3E-07	8.9E-07	6.0E-08	1.2E-04	5.6E-08	1.2E-03	1.3E-07	2.0E-05	1.2E-06	6.8E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-07	1.3E-07	8.9E-07	6.0E-08	1.2E-04	5.6E-08	1.2E-03	1.3E-07	2.0E-05	1.2E-06	6.8E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763C	SB-763C	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763C-7	G-SB-763C-9	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.3E-08	1.6E-05	2.8E-09	1.2E-07	2.8E-09	2.8E-09	2.8E-09	9.6E-09	4.3E-07	4.8E-06	6.4E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-08	1.6E-05	2.8E-09	1.2E-07	2.8E-09	2.8E-09	2.8E-09	9.6E-09	4.3E-07	4.8E-06	6.4E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.8E-06	3.5E-04	6.0E-08	2.5E-06	6.0E-08	6.0E-08	6.0E-08	2.1E-07	9.3E-06	1.0E-04	1.4E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.8E-06	3.5E-04	6.0E-08	2.5E-06	6.0E-08	6.0E-08	6.0E-08	2.1E-07	9.3E-06	1.0E-04	1.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5	G-SB-764B-5-AVG	G-SB-764B-5-D
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.0E-06	2.6E-09	4.5E-06	2.8E-09	1.5E-07	2.6E-09	7.3E-06	3.3E-07	2.6E-07	3.1E-07	3.7E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-06	2.6E-09	4.5E-06	2.8E-09	1.5E-07	2.6E-09	7.3E-06	3.3E-07	2.6E-07	3.1E-07	3.7E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-04	5.6E-08	9.8E-05	6.0E-08	3.3E-06	5.6E-08	1.6E-04	7.2E-06	5.7E-06	6.8E-06	8.0E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-04	5.6E-08	9.8E-05	6.0E-08	3.3E-06	5.6E-08	1.6E-04	7.2E-06	5.7E-06	6.8E-06	8.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D	SB-764D	SB-764D	SB-764D	SB-765
SAMPLE ID	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.3E-08	2.4E-05	7.8E-07	5.9E-05	3.9E-08	4.2E-08	4.4E-08	7.5E-05	1.7E-06	4.1E-05	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-08	2.4E-05	7.8E-07	5.9E-05	3.9E-08	4.2E-08	4.4E-08	7.5E-05	1.7E-06	4.1E-05	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	5.3E-04	1.7E-05	1.3E-03	8.5E-07	9.0E-07	9.6E-07	1.6E-03	3.8E-05	8.8E-04	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	5.3E-04	1.7E-05	1.3E-03	8.5E-07	9.0E-07	9.6E-07	1.6E-03	3.8E-05	8.8E-04	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765	SB-765	SB-765	SB-765A	SB-765A	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C
SAMPLE ID	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5
SAMPLE DATE	20091002	20091002	20091002	20091028	20091028	20091028	20091113	20091113	20091113	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	3	5	7	3	5
BOTTOM DEPTH	5	7	9	3	5	7	3	5	7	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	2.6E-09	2.3E-07	3.7E-07	1.1E-06	8.5E-09	2.7E-07	9.7E-08	2.8E-07	1.3E-07	3.4E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	2.6E-09	2.3E-07	3.7E-07	1.1E-06	8.5E-09	2.7E-07	9.7E-08	2.8E-07	1.3E-07	3.4E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.0E-05	5.6E-08	5.0E-06	7.9E-06	2.5E-05	1.9E-07	5.9E-06	2.1E-06	6.0E-06	2.9E-06	7.5E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-05	5.6E-08	5.0E-06	7.9E-06	2.5E-05	1.9E-07	5.9E-06	2.1E-06	6.0E-06	2.9E-06	7.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765C	SB-765D	SB-765D	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07
SAMPLE DATE	20091028	20091028	20091028	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	9	3	5	7
BOTTOM DEPTH	7	3	5	7	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.3E-07	1.0E-07	1.3E-05	1.8E-06	6.8E-09	1.2E-07	6.2E-09	5.0E-07	6.6E-09	9.9E-08	6.6E-09
NAPHTHALENE					8.4E-11	8.4E-11	7.8E-11	9.1E-11	8.2E-11	8.9E-11	8.2E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-07	1.0E-07	1.3E-05	1.8E-06	6.8E-09	1.2E-07	6.3E-09	5.0E-07	6.7E-09	9.9E-08	6.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-06	2.2E-06	2.9E-04	3.9E-05	1.5E-07	2.5E-06	1.4E-07	1.1E-05	1.4E-07	2.1E-06	1.4E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-06	2.2E-06	2.9E-04	3.9E-05	1.5E-07	2.5E-06	1.4E-07	1.1E-05	1.4E-07	2.1E-06	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-804	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-804-09	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100823	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	9	7	9	3	5	7	7	7	9	3
INDUSTRIAL										
BAP EQUIVALENT-HALFND	5.0E-06	6.9E-09	2.1E-07	7.3E-09	2.3E-07	6.6E-09	6.8E-09	7.1E-09	5.3E-05	6.4E-09
NAPHTHALENE	3.5E-10	8.7E-11	9.5E-11	9.1E-11	8.2E-11	8.2E-11	8.6E-11	8.9E-11	2.2E-08	8.0E-11
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.0E-06	7.0E-09	2.1E-07	7.4E-09	2.3E-07	6.7E-09	6.9E-09	7.2E-09	5.3E-05	6.5E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.1E-04	1.5E-07	4.5E-06	1.6E-07	5.0E-06	1.4E-07	1.5E-07	1.5E-07	1.1E-03	1.4E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.1E-04	1.5E-07	4.5E-06	1.6E-07	5.0E-06	1.4E-07	1.5E-07	1.5E-07	1.1E-03	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808	SB-809	SB-809
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09	G-SB-809-03	G-SB-809-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.3E-09	6.2E-09	6.6E-09	6.8E-09	1.8E-07	6.4E-09	7.0E-06	6.4E-09	3.0E-05	6.8E-09	2.5E-07
NAPHTHALENE	7.9E-11	7.8E-11	8.2E-11	8.4E-11	9.3E-11	8.0E-11	9.5E-10	8.0E-11	8.0E-10	8.4E-11	8.4E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.4E-09	6.3E-09	6.7E-09	6.8E-09	1.8E-07	6.5E-09	7.0E-06	6.5E-09	3.0E-05	6.8E-09	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	1.4E-07	1.4E-07	1.5E-07	3.8E-06	1.4E-07	1.5E-04	1.4E-07	6.4E-04	1.5E-07	5.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	1.4E-07	1.4E-07	1.5E-07	3.8E-06	1.4E-07	1.5E-04	1.4E-07	6.4E-04	1.5E-07	5.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811	SB-811	SB-811
SAMPLE ID	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09
SAMPLE DATE	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	5	7	7	7	9
BOTTOM DEPTH	7	9	3	5	7	9	5	7	7	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-07	1.9E-08	8.6E-07	3.7E-08	6.2E-08	6.7E-06	6.9E-09	6.8E-09	6.8E-09	2.0E-07
NAPHTHALENE	8.4E-11	8.4E-11	8.7E-11	8.9E-11	7.8E-11	9.1E-11	3.5E-10	8.7E-11	8.6E-11	8.4E-11	9.5E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-09	6.2E-07	1.9E-08	8.6E-07	3.7E-08	6.2E-08	6.7E-06	7.0E-09	6.9E-09	6.8E-09	2.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-05	4.1E-07	1.9E-05	8.1E-07	1.3E-06	1.4E-04	1.5E-07	1.5E-07	1.5E-07	4.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.3E-05	4.1E-07	1.9E-05	8.1E-07	1.3E-06	1.4E-04	1.5E-07	1.5E-07	1.5E-07	4.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-812	SB-812	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	G-TP-1	G-TP-1	G-TP-1
SAMPLE ID	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03	G-SB-813-05	G-SB-813-07	G-SB-813-09	G-TP-1-1-7-8	G-TP-1-5-2-3	G-TP-1-7-5-7
SAMPLE DATE	20100824	20100824	20100824	20100824	20100826	20100826	20100826	20100826	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	7	2	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	8	3	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.6E-09	2.3E-07	6.8E-09	2.7E-06	6.8E-09	6.9E-09	6.8E-09	3.7E-05	2.2E-07	6.6E-09	1.3E-07
NAPHTHALENE	8.2E-11	8.9E-11	8.4E-11	1.7E-09	8.4E-11	8.7E-11	8.4E-11	9.5E-09	8.9E-11	8.2E-11	8.7E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.7E-09	2.3E-07	6.8E-09	2.7E-06	6.8E-09	7.0E-09	6.8E-09	3.7E-05	2.2E-07	6.7E-09	1.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	4.9E-06	1.5E-07	5.9E-05	1.5E-07	1.5E-07	1.5E-07	7.9E-04	4.8E-06	1.4E-07	2.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	4.9E-06	1.5E-07	5.9E-05	1.5E-07	1.5E-07	1.5E-07	7.9E-04	4.8E-06	1.4E-07	2.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	G-TP-2	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	G-TP-2-3-6-7	G-TP-2-8-5-6	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20100921	20100921	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	5	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	7	6	4	6	10	3	5	6	7	8	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.6E-06	5.4E-07			4.7E-07	8.0E-07	3.3E-07	2.8E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE	3.8E-09	3.6E-10	1.2E-10	1.3E-10							
AROCLOR-1260			1.9E-08	1.9E-08							
ARSENIC			7.7E-07	6.6E-07							
COBALT			1.2E-09	5.9E-10							
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM			3.1E-07	2.2E-07							
TOTAL CANCER RISK	5.6E-06	5.4E-07	1.1E-06	9.0E-07	4.7E-07	8.0E-07	3.3E-07	2.8E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.2E-04	1.2E-05			1.0E-05	1.7E-05	7.1E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE			6.2E-10	6.4E-10							
AROCLOR-1260			9.4E-08	9.7E-08							
ARSENIC			6.0E-06	5.1E-06							
COBALT			6.2E-09	3.0E-09							
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM			4.7E-06	3.3E-06							
TOTAL CANCER RISK	1.2E-04	1.2E-05	1.1E-05	8.5E-06	1.0E-05	1.7E-05	7.1E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3	G-SB-91REB-5
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	1.0E-06	2.4E-09	6.0E-06	8.3E-08	9.3E-08	1.0E-07	1.3E-05	1.3E-07	2.6E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	1.0E-06	2.4E-09	6.0E-06	8.3E-08	9.3E-08	1.0E-07	1.3E-05	1.3E-07	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	2.2E-05	5.3E-08	1.3E-04	1.8E-06	2.0E-06	2.2E-06	2.8E-04	2.8E-06	5.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	2.2E-05	5.3E-08	1.3E-04	1.8E-06	2.0E-06	2.2E-06	2.8E-04	2.8E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092
SAMPLE ID	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3	G-SB-92RE-4	G-SB-92RE-5
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	10	3	4	5
BOTTOM DEPTH	7	9	3	5	7	9	10	3	4	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-06	2.6E-09	2.6E-09	2.8E-09	1.5E-06	2.5E-07	7.5E-07	9.5E-08	3.1E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC							1.2E-06	7.7E-07	1.5E-06	1.2E-06
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	1.2E-06	2.6E-09	2.6E-09	2.8E-09	1.5E-06	1.4E-06	1.5E-06	1.6E-06	3.2E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	2.7E-05	5.6E-08	5.6E-08	6.0E-08	3.3E-05	5.4E-06	1.6E-05	2.1E-06	6.8E-04
NAPHTHALENE										
AROCLOR-1260										
ARSENIC							9.1E-06	6.0E-06	1.2E-05	9.1E-06
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	2.7E-05	5.6E-08	5.6E-08	6.0E-08	3.3E-05	1.5E-05	2.2E-05	1.4E-05	6.9E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092C
SAMPLE ID	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	7	7	8	9	3	5	7	9
BOTTOM DEPTH	6	7	7	7	8	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.4E-06	2.4E-07	2.3E-07	2.2E-07	2.6E-09	8.1E-05	3.9E-08	1.3E-06	2.6E-09	1.1E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC	2.5E-06	3.1E-06	2.5E-06	1.9E-06	5.9E-07	3.0E-06				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.9E-06	3.4E-06	2.8E-06	2.2E-06	5.9E-07	8.4E-05	3.9E-08	1.3E-06	2.6E-09	1.1E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.4E-05	5.2E-06	5.0E-06	4.7E-06	5.6E-08	1.8E-03	8.4E-07	2.9E-05	5.6E-08	2.3E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC	2.0E-05	2.4E-05	2.0E-05	1.5E-05	4.6E-06	2.4E-05				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	9.4E-05	2.9E-05	2.5E-05	2.0E-05	4.6E-06	1.8E-03	8.4E-07	2.9E-05	5.6E-08	2.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189
SAMPLE ID	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20041102	20041102	20041103	20041103	20041103	20041105	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	5	5	5	5	5	5	5
BOTTOM DEPTH	3	5	7	9	5	5	5	5	5	5	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.9E-08	4.7E-06	2.8E-09	1.6E-05								
NAPHTHALENE					2.2E-11	2.2E-11	2.2E-11	2.2E-11	2.2E-11	8.7E-11	2.2E-11	2.2E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	4.7E-06	2.8E-09	1.6E-05	2.2E-11	2.2E-11	2.2E-11	2.2E-11	2.2E-11	8.7E-11	2.2E-11	2.2E-11
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.7E-06	1.0E-04	6.0E-08	3.5E-04								
NAPHTHALENE					1.1E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	4.4E-10	1.1E-10	1.1E-10
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	1.0E-04	6.0E-08	3.5E-04	1.1E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	4.4E-10	1.1E-10	1.1E-10

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-190	SB-191	SB-192	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198	SB-198	SB-199
SAMPLE ID	SB-190-05	SB-191-05	SB-192-05	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05	SB-198-10	SB-199-05
SAMPLE DATE	20041109	20041109	20041109	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	10	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	5	5	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL														
BAP EQUIVALENT-HALFND				1.4E-07	1.3E-07	6.3E-06	1.0E-06	1.7E-06	5.0E-07	1.2E-06	1.4E-07	3.8E-07	1.5E-07	3.2E-06
NAPHTHALENE	6.1E-09	2.2E-11	8.7E-11	4.8E-11	4.5E-11	2.7E-11	5.0E-11	4.5E-11	5.4E-11	4.8E-11	5.0E-11	5.4E-11	4.1E-11	4.5E-10
AROCLOR-1260				1.9E-08	1.8E-08	8.1E-09	1.4E-08	1.8E-08	2.1E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	1.9E-08
ARSENIC				1.8E-06	1.8E-07	1.5E-06	1.8E-06	3.7E-07	1.8E-07	1.8E-06	1.8E-06	9.1E-07	2.2E-06	5.5E-07
COBALT				1.2E-09	6.4E-10	2.1E-09	3.0E-09	9.1E-10	6.6E-10	1.5E-08	3.2E-09	1.2E-09	1.7E-09	1.3E-09
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				2.5E-07	1.9E-07	7.7E-07	8.0E-07	4.5E-07	3.4E-07	3.4E-07	8.8E-07	1.1E-06	9.8E-07	4.5E-07
TOTAL CANCER RISK	6.1E-09	2.2E-11	8.7E-11	2.2E-06	5.3E-07	8.5E-06	3.7E-06	2.6E-06	1.0E-06	3.4E-06	2.9E-06	2.4E-06	3.3E-06	4.2E-06
RESIDENTIAL														
BAP EQUIVALENT-HALFND				3.1E-06	2.9E-06	1.4E-04	2.2E-05	3.8E-05	1.1E-05	2.7E-05	3.1E-06	8.2E-06	3.2E-06	6.9E-05
NAPHTHALENE	3.1E-08	1.1E-10	4.4E-10	2.4E-10	2.3E-10	1.4E-10	2.5E-10	2.3E-10	2.7E-10	2.4E-10	2.5E-10	2.7E-10	2.1E-10	2.2E-09
AROCLOR-1260				9.4E-08	9.2E-08	4.0E-08	6.9E-08	9.2E-08	1.1E-07	8.9E-08	9.7E-08	1.1E-07	9.9E-08	9.4E-08
ARSENIC				1.4E-05	1.4E-06	1.1E-05	1.4E-05	2.8E-06	1.4E-06	1.4E-05	1.4E-05	7.1E-06	1.7E-05	4.3E-06
COBALT				6.1E-09	3.2E-09	1.1E-08	1.5E-08	4.6E-09	3.3E-09	7.8E-08	1.6E-08	6.3E-09	8.7E-09	6.4E-09
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				3.7E-06	2.9E-06	1.2E-05	1.2E-05	6.7E-06	5.2E-06	5.0E-06	1.3E-05	1.7E-05	1.5E-05	6.7E-06
TOTAL CANCER RISK	3.1E-08	1.1E-10	4.4E-10	2.1E-05	7.3E-06	1.6E-04	4.9E-05	4.7E-05	1.8E-05	4.6E-05	3.1E-05	3.2E-05	3.5E-05	8.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411
SAMPLE ID	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304
SAMPLE DATE	20050511	20050510	20050510	20050510	20050510	20050510	20050510	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	3	5	7	2	3
BOTTOM DEPTH	10	5	10	5	10	5	10	3	4	6	8	3	4
INDUSTRIAL													
BAP EQUIVALENT-HALFND	3.4E-07							3.5E-08	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE	5.0E-11	7.8E-09	6.6E-09	7.3E-09	7.4E-09	7.0E-09	7.7E-09						
AROCLOR-1260	2.0E-08												
ARSENIC	3.7E-07												
COBALT	2.7E-09												
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	6.0E-07												
TOTAL CANCER RISK	1.3E-06	7.8E-09	6.6E-09	7.3E-09	7.4E-09	7.0E-09	7.7E-09	3.5E-08	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	7.4E-06							7.5E-07	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE	2.5E-10	4.0E-08	3.3E-08	3.7E-08	3.7E-08	3.5E-08	3.9E-08						
AROCLOR-1260	9.9E-08												
ARSENIC	2.8E-06												
COBALT	1.4E-08												
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	9.0E-06												
TOTAL CANCER RISK	1.9E-05	4.0E-08	3.3E-08	3.7E-08	3.7E-08	3.5E-08	3.9E-08	7.5E-07	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-411	SB-411	SB-412	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414
SAMPLE ID	SB-411-0506	SB-411-0708	SB-412-0203	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-06	2.6E-09	2.8E-09	2.8E-09	5.5E-08	2.8E-09	9.4E-08	1.5E-07	2.8E-09	2.8E-09	5.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-06	2.6E-09	2.8E-09	2.8E-09	5.5E-08	2.8E-09	9.4E-08	1.5E-07	2.8E-09	2.8E-09	5.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.2E-05	5.6E-08	6.0E-08	6.0E-08	1.2E-06	6.0E-08	2.0E-06	3.2E-06	6.0E-08	6.0E-08	1.2E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.2E-05	5.6E-08	6.0E-08	6.0E-08	1.2E-06	6.0E-08	2.0E-06	3.2E-06	6.0E-08	6.0E-08	1.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-414	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0304	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506	SB-416-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-08	2.8E-09	2.8E-09	3.3E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-08	2.8E-09	2.8E-09	3.3E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-07	6.0E-08	6.0E-08	7.1E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-07	6.0E-08	6.0E-08	7.1E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418	SB-419	SB-419	SB-419
SAMPLE ID	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708	SB-419-0203	SB-419-0304	SB-419-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-09	2.8E-09	1.1E-07	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-09	2.8E-09	1.1E-07	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-08	6.0E-08	2.4E-06	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-08	6.0E-08	2.4E-06	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-419	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422	SB-422
SAMPLE ID	SB-419-0708	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203	SB-422-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.4E-09	2.4E-09	2.6E-09	2.8E-09	3.5E-08	2.8E-09	2.6E-09	2.8E-09	2.4E-09	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.4E-09	2.4E-09	2.6E-09	2.8E-09	3.5E-08	2.8E-09	2.6E-09	2.8E-09	2.4E-09	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.3E-08	5.3E-08	5.6E-08	6.0E-08	7.5E-07	6.0E-08	5.6E-08	6.0E-08	5.3E-08	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.3E-08	5.3E-08	5.6E-08	6.0E-08	7.5E-07	6.0E-08	5.6E-08	6.0E-08	5.3E-08	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424	SB-424	SB-424	SB-425
SAMPLE ID	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304	SB-424-0506	SB-424-0708	SB-425-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.1E-07	2.6E-09	6.2E-08	2.6E-09	2.4E-09	2.8E-09	1.4E-05	5.5E-06	6.6E-08	2.6E-09	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-07	2.6E-09	6.2E-08	2.6E-09	2.4E-09	2.8E-09	1.4E-05	5.5E-06	6.6E-08	2.6E-09	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.6E-06	5.6E-08	1.4E-06	5.6E-08	5.3E-08	6.0E-08	3.0E-04	1.2E-04	1.4E-06	5.6E-08	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.6E-06	5.6E-08	1.4E-06	5.6E-08	5.3E-08	6.0E-08	3.0E-04	1.2E-04	1.4E-06	5.6E-08	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426	SB-426	SB-427	SB-427	SB-427	SB-427
SAMPLE ID	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09	2.9E-09	3.3E-06	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09	2.9E-09	3.3E-06	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08	6.4E-08	7.2E-05	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08	6.4E-08	7.2E-05	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-428	SB-428	SB-428	SB-428	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430
SAMPLE ID	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.4E-09	2.6E-09	5.9E-08	2.4E-09	3.1E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.4E-09	2.6E-09	5.9E-08	2.4E-09	3.1E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	2.6E-06	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.3E-06	5.3E-08	6.7E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	2.6E-06	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.3E-06	5.3E-08	6.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-430	SB-431	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-430-0708	SB-431-0203	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.9E-08	3.2E-07	2.9E-08	2.6E-09	3.1E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	5.9E-08	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.9E-08	3.2E-07	2.9E-08	2.6E-09	3.1E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	5.9E-08	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	7.0E-06	6.2E-07	5.6E-08	6.8E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	1.3E-06	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	7.0E-06	6.2E-07	5.6E-08	6.8E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	1.3E-06	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435	SB-435	SB-436
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506	SB-435-0708	SB-436-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	4.5E-08	2.8E-09	2.8E-09	5.9E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	4.5E-08	2.8E-09	2.8E-09	5.9E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.3E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	9.8E-07	6.0E-08	6.0E-08	1.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	9.8E-07	6.0E-08	6.0E-08	1.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437	SB-438	SB-438	SB-438	SB-438
SAMPLE ID	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.2E-08	6.2E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-08	6.2E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.9E-07	1.4E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.9E-07	1.4E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-439	SB-439	SB-439	SB-439	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086	SB-087	SB-088
SAMPLE ID	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10	SB-87-05	SB-88-05
SAMPLE DATE	20071018	20071018	20071018	20071018	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	5	5	5	5	5	10	5	10	5	5
BOTTOM DEPTH	3	4	6	8	5	5	5	5	5	10	5	10	5	5
INDUSTRIAL														
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.8E-09	2.8E-09	6.8E-07	6.9E-07	6.9E-07	7.1E-07	7.1E-07	6.6E-07	6.8E-07	6.6E-07		
NAPHTHALENE					1.3E-10	1.3E-10	1.3E-10	2.7E-08	6.9E-09	1.3E-10	1.3E-10	1.3E-10	2.2E-11	1.2E-08
AROCLOR-1260					1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07		
ARSENIC					9.1E-07	4.4E-07	7.0E-07	1.2E-06	8.1E-07	9.7E-08	2.6E-07	2.2E-07		
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM					2.7E-07	2.1E-07	2.1E-07	5.2E-07	7.7E-07	2.6E-07	5.0E-07	8.5E-07		
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.8E-09	2.8E-09	2.0E-06	1.5E-06	1.7E-06	2.7E-06	2.4E-06	1.2E-06	1.6E-06	1.9E-06	2.2E-11	1.2E-08
RESIDENTIAL														
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.0E-08	6.0E-08	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05		
NAPHTHALENE					6.5E-10	6.5E-10	6.5E-10	1.4E-07	3.5E-08	6.5E-10	6.5E-10	6.5E-10	1.1E-10	5.9E-08
AROCLOR-1260					7.2E-07	7.4E-07	7.2E-07	7.4E-07	7.4E-07	6.9E-07	7.2E-07	6.9E-07		
ARSENIC					7.1E-06	3.4E-06	5.4E-06	9.7E-06	6.3E-06	7.6E-07	2.0E-06	1.7E-06		
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM					4.1E-06	3.1E-06	3.1E-06	7.9E-06	1.2E-05	3.8E-06	7.4E-06	1.3E-05		
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.0E-08	6.0E-08	2.7E-05	2.2E-05	2.4E-05	3.4E-05	3.4E-05	2.0E-05	2.5E-05	3.0E-05	1.1E-10	5.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442
SAMPLE ID	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203
SAMPLE DATE	20041105	20041103	20040927	20040927	20071018	20071018	20071018	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	4	2	3	5	2	3	5	7	2
BOTTOM DEPTH	5	5	5	4	3	4	6	3	4	6	8	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND				2.1E-10	2.8E-09	2.8E-09	2.9E-09	2.5E-07	1.1E-07	3.1E-06	2.6E-09	2.6E-09
NAPHTHALENE	7.4E-09	2.2E-11	1.3E-10	1.3E-10								
AROCLOR-1260			1.4E-07	1.4E-07								
ARSENIC			8.8E-07	5.1E-07								
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			5.5E-07	7.2E-07								
TOTAL CANCER RISK	7.4E-09	2.2E-11	1.6E-06	1.4E-06	2.8E-09	2.8E-09	2.9E-09	2.5E-07	1.1E-07	3.1E-06	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND				4.5E-09	6.0E-08	6.0E-08	6.4E-08	5.4E-06	2.3E-06	6.8E-05	5.6E-08	5.6E-08
NAPHTHALENE	3.7E-08	1.1E-10	6.5E-10	6.5E-10								
AROCLOR-1260			7.2E-07	7.2E-07								
ARSENIC			6.8E-06	4.0E-06								
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			8.3E-06	1.1E-05								
TOTAL CANCER RISK	3.7E-08	1.1E-10	1.6E-05	1.5E-05	6.0E-08	6.0E-08	6.4E-08	5.4E-06	2.3E-06	6.8E-05	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-442	SB-442	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0304	SB-442-0506	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506	SB-444-0708
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.8E-09	1.1E-07	2.6E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.8E-09	1.1E-07	2.6E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	6.0E-08	2.4E-06	5.6E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	6.0E-08	2.4E-06	5.6E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446	SB-446	SB-447	SB-448	SB-448
SAMPLE ID	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	2	3
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-448	SB-448	SB-449	SB-449	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451
SAMPLE ID	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	7.3E-08	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	7.3E-08	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.6E-06	5.3E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.6E-06	5.3E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-451	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453	SB-453	SB-453
SAMPLE ID	SB-451-0304	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304	SB-453-0506	SB-453-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	7.6E-08	1.3E-07	2.6E-09	2.6E-09	9.7E-08	2.2E-06	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	7.6E-08	1.3E-07	2.6E-09	2.6E-09	9.7E-08	2.2E-06	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.7E-06	2.9E-06	5.6E-08	5.6E-08	2.1E-06	4.8E-05	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.7E-06	2.9E-06	5.6E-08	5.6E-08	2.1E-06	4.8E-05	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455	SB-455	SB-455	SB-456	SB-456	SB-456
SAMPLE ID	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-456
SAMPLE ID	SB-456-0708
SAMPLE DATE	20071022
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	7
BOTTOM DEPTH	8
INDUSTRIAL	
BAP EQUIVALENT-HALFND	1.1E-06
NAPHTHALENE	
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL CANCER RISK	1.1E-06
RESIDENTIAL	
BAP EQUIVALENT-HALFND	2.3E-05
NAPHTHALENE	
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL CANCER RISK	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804	SB-805	SB-805	SB-806
SAMPLE ID	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09	G-SB-805-07	G-SB-805-09	G-SB-806-03
SAMPLE DATE	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.4E-06	2.3E-06	2.6E-06	2.4E-06	2.6E-06	2.4E-06	1.0E-05	2.5E-06	2.8E-06	2.6E-06
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-06	2.4E-06	2.3E-06	2.6E-06	2.4E-06	2.6E-06	2.4E-06	1.0E-05	2.5E-06	2.8E-06	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05	4.7E-05	1.2E-05	1.3E-05	1.2E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05	4.7E-05	1.2E-05	1.3E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807	SB-807	SB-807	SB-807	SB-807
SAMPLE ID	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	3	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	3	3	5	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.4E-06	2.4E-06	2.5E-06	2.6E-06	6.4E-04	2.3E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	2.4E-06	2.4E-06	2.5E-06	2.6E-06	6.4E-04	2.3E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.0E-03	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.0E-03	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-807	SB-808	SB-808	SB-808	SB-808	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810
SAMPLE ID	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.7E-06	2.3E-06	2.8E-05	2.3E-06	2.3E-05	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.6E-06
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.7E-06	2.3E-06	2.8E-05	2.3E-06	2.3E-05	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.3E-05	1.1E-05	1.3E-04	1.1E-05	1.1E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-05	1.1E-05	1.3E-04	1.1E-05	1.1E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-810	SB-810	SB-811	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812
SAMPLE ID	G-SB-810-07	G-SB-810-09	G-SB-811-05	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09
SAMPLE DATE	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	7	9	5	7	7	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.3E-06	2.6E-06	1.0E-05	2.5E-06	2.5E-06	2.4E-06	2.8E-06	2.4E-06	2.6E-06	2.4E-06	5.0E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.3E-06	2.6E-06	1.0E-05	2.5E-06	2.5E-06	2.4E-06	2.8E-06	2.4E-06	2.6E-06	2.4E-06	5.0E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.2E-05	4.7E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	2.3E-04
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	4.7E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	2.3E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-813	SB-813	SB-813	SB-813	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	OW-5	OW-5
SAMPLE ID	G-SB-813-03	G-SB-813-05	G-SB-813-07	G-SB-813-09	G-TP-1-1-7-8	G-TP-1-5-2-3	G-TP-1-7-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	OW-5-4	OW-5-6
SAMPLE DATE	20100826	20100826	20100826	20100826	20100921	20100921	20100921	20100921	20100921	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	7	2	5	6	5	4	6
BOTTOM DEPTH	3	5	7	9	8	3	7	7	6	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.5E-06	2.4E-06	2.8E-04	2.6E-06	2.4E-06	2.5E-06	1.1E-04	1.1E-05	3.6E-06	3.7E-06
AROCLOR-1260											
ARSENIC										4.8E-03	4.1E-03
COBALT										1.0E-02	4.8E-03
IRON										1.4E-02	1.2E-02
LEAD											
MANGANESE										1.1E-02	6.0E-03
MERCURY										4.5E-05	4.7E-05
VANADIUM										1.7E-03	1.5E-03
HEXAVALENT CHROMIUM										5.8E-04	4.1E-04
TOTAL HAZARD INDEX	2.4E-06	2.5E-06	2.4E-06	2.8E-04	2.6E-06	2.4E-06	2.5E-06	1.1E-04	1.1E-05	4.2E-02	2.9E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.2E-05	1.1E-05	1.3E-03	1.2E-05	1.1E-05	1.2E-05	5.1E-04	4.9E-05	1.7E-05	1.7E-05
AROCLOR-1260											
ARSENIC										9.7E-02	8.3E-02
COBALT										2.4E-01	1.1E-01
IRON										3.2E-01	2.9E-01
LEAD											
MANGANESE										1.1E-01	6.1E-02
MERCURY										5.7E-04	6.0E-04
VANADIUM										4.1E-02	3.5E-02
HEXAVALENT CHROMIUM										5.2E-03	3.6E-03
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	1.1E-05	1.3E-03	1.2E-05	1.1E-05	1.2E-05	5.1E-04	4.9E-05	8.2E-01	5.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-181
SAMPLE ID	G-SB-92RE-10	G-SB-92RE-3	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	SB-181-05
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											6.3E-07
AROCLOR-1260											
ARSENIC	7.3E-03	4.8E-03	9.4E-03	7.3E-03	1.6E-02	1.9E-02	1.6E-02	1.2E-02	3.7E-03	1.9E-02	
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	7.3E-03	4.8E-03	9.4E-03	7.3E-03	1.6E-02	1.9E-02	1.6E-02	1.2E-02	3.7E-03	1.9E-02	6.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											2.9E-06
AROCLOR-1260											
ARSENIC	1.5E-01	9.7E-02	1.9E-01	1.5E-01	3.2E-01	3.9E-01	3.2E-01	2.4E-01	7.4E-02	3.8E-01	
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.5E-01	9.7E-02	1.9E-01	1.5E-01	3.2E-01	3.9E-01	3.2E-01	2.4E-01	7.4E-02	3.8E-01	2.9E-06

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-182	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192	SB-194
SAMPLE ID	SB-182-05	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05	SB-194-05
SAMPLE DATE	20041102	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.5E-06	6.3E-07	6.3E-07	1.8E-04	6.3E-07	2.5E-06	1.4E-06
AROCLOR-1260											
ARSENIC											1.1E-02
COBALT											9.8E-03
IRON											
LEAD											
MANGANESE											
MERCURY											4.7E-05
VANADIUM											2.1E-03
HEXAVALENT CHROMIUM											4.6E-04
TOTAL HAZARD INDEX	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.5E-06	6.3E-07	6.3E-07	1.8E-04	6.3E-07	2.5E-06	2.4E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.9E-06	2.9E-06	2.9E-06	2.9E-06	1.2E-05	2.9E-06	2.9E-06	8.2E-04	2.9E-06	1.2E-05	6.5E-06
AROCLOR-1260											
ARSENIC											2.3E-01
COBALT											2.3E-01
IRON											
LEAD											
MANGANESE											
MERCURY											6.0E-04
VANADIUM											4.9E-02
HEXAVALENT CHROMIUM											4.0E-03
TOTAL HAZARD INDEX	2.9E-06	2.9E-06	2.9E-06	2.9E-06	1.2E-05	2.9E-06	2.9E-06	8.2E-04	2.9E-06	1.2E-05	5.2E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198	SB-198	SB-199	SB-199
SAMPLE ID	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05	SB-198-10	SB-199-05	SB-199-10
SAMPLE DATE	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.3E-06	7.8E-07	1.4E-06	1.3E-06	1.6E-06	1.4E-06	1.4E-06	1.6E-06	1.2E-06	1.3E-05	1.4E-06
AROCLOR-1260											
ARSENIC	1.1E-03	9.1E-03	1.1E-02	2.3E-03	1.1E-03	1.1E-02	1.1E-02	5.7E-03	1.4E-02	3.4E-03	2.3E-03
COBALT	5.2E-03	1.7E-02	2.5E-02	7.4E-03	5.4E-03	1.3E-01	2.6E-02	1.0E-02	1.4E-02	1.0E-02	2.2E-02
IRON											
LEAD											
MANGANESE											
MERCURY	9.4E-05	4.2E-05	3.8E-05	3.8E-05	4.2E-05	3.3E-05	3.3E-05	1.4E-04	4.2E-05	4.7E-05	4.7E-05
VANADIUM	1.5E-03	7.5E-03	8.1E-03	3.6E-03	2.2E-03	2.8E-03	5.1E-03	5.8E-03	6.5E-03	4.1E-03	4.2E-03
HEXAVALENT CHROMIUM	3.5E-04	1.4E-03	1.5E-03	8.3E-04	6.4E-04	6.3E-04	1.6E-03	2.0E-03	1.8E-03	8.4E-04	1.1E-03
TOTAL HAZARD INDEX	8.3E-03	3.5E-02	4.6E-02	1.4E-02	9.4E-03	1.4E-01	4.4E-02	2.4E-02	3.6E-02	1.9E-02	3.0E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.2E-06	3.6E-06	6.7E-06	6.2E-06	7.3E-06	6.5E-06	6.7E-06	7.3E-06	5.6E-06	6.0E-05	6.7E-06
AROCLOR-1260											
ARSENIC	2.3E-02	1.8E-01	2.3E-01	4.6E-02	2.3E-02	2.3E-01	2.3E-01	1.2E-01	2.8E-01	6.9E-02	4.6E-02
COBALT	1.2E-01	4.1E-01	5.9E-01	1.8E-01	1.3E-01	3.0E+00	6.1E-01	2.4E-01	3.3E-01	2.5E-01	5.3E-01
IRON											
LEAD											
MANGANESE											
MERCURY	1.2E-03	5.4E-04	4.8E-04	4.8E-04	5.4E-04	4.2E-04	4.2E-04	1.8E-03	5.4E-04	6.0E-04	6.0E-04
VANADIUM	3.7E-02	1.8E-01	1.9E-01	8.5E-02	5.3E-02	6.6E-02	1.2E-01	1.4E-01	1.6E-01	9.6E-02	1.0E-01
HEXAVALENT CHROMIUM	3.1E-03	1.3E-02	1.3E-02	7.3E-03	5.6E-03	5.5E-03	1.5E-02	1.8E-02	1.6E-02	7.4E-03	9.8E-03
TOTAL HAZARD INDEX	1.9E-01	7.8E-01	1.0E+00	3.1E-01	2.1E-01	3.3E+00	9.8E-01	5.1E-01	7.8E-01	4.2E-01	6.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086
SAMPLE ID	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20041109	20041109	20041102	20041103	20041105	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	5	5	5	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	5	5	5	5	10	5
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.3E-04	1.9E-04	2.1E-04	2.1E-04	2.0E-04	2.2E-04	3.8E-06	3.8E-06	3.8E-06	7.8E-04	2.0E-04	3.8E-06	3.8E-06
AROCLOR-1260													
ARSENIC							5.7E-03	2.7E-03	4.3E-03	7.8E-03	5.0E-03	6.0E-04	1.6E-03
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY							2.6E-04	2.4E-04	2.4E-04	2.8E-04	2.6E-04	2.6E-04	2.6E-04
VANADIUM													
HEXAVALENT CHROMIUM							5.1E-04	3.9E-04	3.9E-04	9.7E-04	1.4E-03	4.8E-04	9.2E-04
TOTAL HAZARD INDEX	2.3E-04	1.9E-04	2.1E-04	2.1E-04	2.0E-04	2.2E-04	6.5E-03	3.4E-03	5.0E-03	9.8E-03	6.9E-03	1.3E-03	2.8E-03
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-03	8.9E-04	9.9E-04	1.0E-03	9.5E-04	1.0E-03	1.8E-05	1.8E-05	1.8E-05	3.6E-03	9.4E-04	1.8E-05	1.8E-05
AROCLOR-1260													
ARSENIC							1.2E-01	5.5E-02	8.8E-02	1.6E-01	1.0E-01	1.2E-02	3.2E-02
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY							3.3E-03	3.0E-03	3.0E-03	3.6E-03	3.3E-03	3.3E-03	3.3E-03
VANADIUM													
HEXAVALENT CHROMIUM							4.5E-03	3.4E-03	3.4E-03	8.6E-03	1.3E-02	4.2E-03	8.1E-03
TOTAL HAZARD INDEX	1.1E-03	8.9E-04	9.9E-04	1.0E-03	9.5E-04	1.0E-03	1.2E-01	6.2E-02	9.4E-02	1.7E-01	1.2E-01	2.0E-02	4.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-086	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092
SAMPLE ID	SB-86-10	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04
SAMPLE DATE	20041115	20041105	20041105	20041105	20041103	20040927	20040927
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	5	4
BOTTOM DEPTH	10	5	5	5	5	5	4
INDUSTRIAL							
BAP EQUIVALENT-HALFND							
NAPHTHALENE	3.8E-06	6.3E-07	3.4E-04	2.1E-04	6.3E-07	3.8E-06	3.8E-06
AROCLOR-1260							
ARSENIC	1.4E-03					5.5E-03	3.2E-03
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY	2.6E-04					2.6E-04	2.8E-04
VANADIUM							
HEXAVALENT CHROMIUM	1.6E-03					1.0E-03	1.3E-03
TOTAL HAZARD INDEX	3.2E-03	6.3E-07	3.4E-04	2.1E-04	6.3E-07	6.8E-03	4.8E-03
RESIDENTIAL							
BAP EQUIVALENT-HALFND							
NAPHTHALENE	1.8E-05	2.9E-06	1.6E-03	1.0E-03	2.9E-06	1.8E-05	1.8E-05
AROCLOR-1260							
ARSENIC	2.8E-02					1.1E-01	6.5E-02
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY	3.3E-03					3.3E-03	3.6E-03
VANADIUM							
HEXAVALENT CHROMIUM	1.4E-02					9.0E-03	1.2E-02
TOTAL HAZARD INDEX	4.6E-02	2.9E-06	1.6E-03	1.0E-03	2.9E-06	1.2E-01	8.0E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11	G-SB-657-11-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	11	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	7.9E-07	9.8E-07	4.8E-05	8.4E-05	9.6E-07	2.8E-09	3.4E-08	2.8E-09	2.9E-06	1.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.9E-07	9.8E-07	4.8E-05	8.4E-05	9.6E-07	2.8E-09	3.4E-08	2.8E-09	2.9E-06	1.8E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.7E-05	2.1E-05	1.0E-03	1.8E-03	2.1E-05	6.0E-08	7.4E-07	6.0E-08	6.3E-05	3.9E-05
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.7E-05	2.1E-05	1.0E-03	1.8E-03	2.1E-05	6.0E-08	7.4E-07	6.0E-08	6.3E-05	3.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.7E-07	9.0E-07	1.1E-05	8.4E-08	1.5E-08	2.9E-05	5.1E-06	2.3E-07	9.7E-08	7.4E-06	1.1E-06	2.6E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.7E-07	9.0E-07	1.1E-05	8.4E-08	1.5E-08	2.9E-05	5.1E-06	2.3E-07	9.7E-08	7.4E-06	1.1E-06	2.6E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.5E-05	1.9E-05	2.4E-04	1.8E-06	3.2E-07	6.2E-04	1.1E-04	5.0E-06	2.1E-06	1.6E-04	2.4E-05	5.6E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-05	1.9E-05	2.4E-04	1.8E-06	3.2E-07	6.2E-04	1.1E-04	5.0E-06	2.1E-06	1.6E-04	2.4E-05	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657D	SB-657D	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B
SAMPLE ID	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	11	12	13	14	15	11	15
BOTTOM DEPTH	13	15	11	11	11	12	13	14	15	11	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.0E-07	3.0E-07	8.5E-07	5.5E-07	2.5E-07	1.2E-06	8.0E-07	7.0E-07	1.9E-07	2.6E-09	1.2E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.0E-07	3.0E-07	8.5E-07	5.5E-07	2.5E-07	1.2E-06	8.0E-07	7.0E-07	1.9E-07	2.6E-09	1.2E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.1E-05	6.4E-06	1.8E-05	1.2E-05	5.5E-06	2.6E-05	1.7E-05	1.5E-05	4.1E-06	5.6E-08	2.6E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	6.4E-06	1.8E-05	1.2E-05	5.5E-06	2.6E-05	1.7E-05	1.5E-05	4.1E-06	5.6E-08	2.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-658C	SB-658C	SB-658C	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C
SAMPLE ID	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	13	13	15	11	12	13	14	15	11
BOTTOM DEPTH	11	13	13	13	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	3.6E-05	2.6E-05	1.7E-05	2.8E-07	9.2E-07	2.1E-06	8.0E-06	2.6E-06	6.5E-08	9.3E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.6E-05	2.6E-05	1.7E-05	2.8E-07	9.2E-07	2.1E-06	8.0E-06	2.6E-06	6.5E-08	9.3E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	7.9E-04	5.7E-04	3.6E-04	6.0E-06	2.0E-05	4.5E-05	1.7E-04	5.6E-05	1.4E-06	2.0E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	7.9E-04	5.7E-04	3.6E-04	6.0E-06	2.0E-05	4.5E-05	1.7E-04	5.6E-05	1.4E-06	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662	SB-662A	SB-662B
SAMPLE ID	G-SB-659C-13	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13	G-SB-662A-11	G-SB-662B-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	12	11	12	13	11	11
BOTTOM DEPTH	13	15	11	13	15	11	12	11	12	13	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.6E-05	6.3E-07	2.6E-09	1.5E-06	2.6E-09	1.4E-07	5.4E-08	2.8E-09	2.8E-09	2.8E-09	2.8E-09	8.6E-06
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	6.3E-07	2.6E-09	1.5E-06	2.6E-09	1.4E-07	5.4E-08	2.8E-09	2.8E-09	2.8E-09	2.8E-09	8.6E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	3.5E-04	1.4E-05	5.6E-08	3.4E-05	5.6E-08	3.1E-06	1.2E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08	1.9E-04
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.5E-04	1.4E-05	5.6E-08	3.4E-05	5.6E-08	3.1E-06	1.2E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08	1.9E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D	SB-704	SB-704	SB-704	SB-706	SB-706
SAMPLE ID	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12
SAMPLE DATE	20091029	20091029	20091029	20091029	20091111	20091111	20091111	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	12	13	11	11	11	11	12	15	11	12
BOTTOM DEPTH	11	11	12	13	11	11	11	11	12	15	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	4.1E-08	2.9E-09	2.8E-09	2.6E-09	2.9E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	4.1E-08	2.9E-09	2.8E-09	2.6E-09	2.9E-09	2.8E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	8.8E-07	6.4E-08	6.0E-08	5.6E-08	6.4E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	8.8E-07	6.4E-08	6.0E-08	5.6E-08	6.4E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-706	SB-706	SB-706	SB-716	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG
SAMPLE DATE	20090922	20090922	20090922	20090923	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	12	15	11	12	13	14	15	15
BOTTOM DEPTH	13	14	15	11	12	15	11	12	13	14	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.8E-09	3.8E-09	8.8E-09	3.2E-08	4.0E-09	3.9E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.8E-09	3.8E-09	8.8E-09	3.2E-08	4.0E-09	3.9E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	8.3E-08	8.3E-08	1.9E-07	6.8E-07	8.6E-08	8.5E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	8.3E-08	8.3E-08	1.9E-07	6.8E-07	8.6E-08	8.5E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-726	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761	SB-761
SAMPLE ID	G-SB-726-15-D	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13	G-SB-761-15
SAMPLE DATE	20091008	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930	20090930
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	11	11	11	11	11	13	15
BOTTOM DEPTH	15	11	11	11	11	11	11	11	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	3.8E-09	4.8E-08	6.0E-08	7.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-04	2.8E-06	2.8E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.8E-09	4.8E-08	6.0E-08	7.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-04	2.8E-06	2.8E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	8.3E-08	1.0E-06	1.3E-06	1.7E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-03	6.0E-05	6.1E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-08	1.0E-06	1.3E-06	1.7E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-03	6.0E-05	6.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C	SB-761C	SB-761D	SB-761D
SAMPLE ID	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13
SAMPLE DATE	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	11	13	15	11	15	11	15	11	13
BOTTOM DEPTH	15	15	11	13	15	11	15	11	15	11	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.0E-06	1.2E-06	3.3E-07	7.7E-06	1.9E-06	9.7E-08	1.9E-06	1.6E-07	3.6E-06	8.1E-07	3.9E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-06	1.2E-06	3.3E-07	7.7E-06	1.9E-06	9.7E-08	1.9E-06	1.6E-07	3.6E-06	8.1E-07	3.9E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	4.3E-05	2.5E-05	7.1E-06	1.7E-04	4.1E-05	2.1E-06	4.1E-05	3.4E-06	7.8E-05	1.8E-05	8.5E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.3E-05	2.5E-05	7.1E-06	1.7E-04	4.1E-05	2.1E-06	4.1E-05	3.4E-06	7.8E-05	1.8E-05	8.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761D	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-091	SB-091
SAMPLE ID	G-SB-761D-15	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-91RE-11	G-SB-91RE-12
SAMPLE DATE	20091022	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	13	12	214	26	30	20	30	12	12	11	12
BOTTOM DEPTH	15	14	13	214	26	30	20	30	12	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE				7.9E-13	1.5E-11	1.5E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11		
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE				2.5E-11	1.9E-10	1.9E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10		
BAP EQUIVALENT-HALFND	2.2E-05	1.1E-07							6.8E-07	1.4E-06	2.6E-09	6.7E-08
NAPHTHALENE		8.4E-11		8.0E-12	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10		
AROCLOR-1254					2.0E-08	1.9E-08			1.4E-07	1.4E-07		
AROCLOR-1260					2.0E-08	1.9E-08			1.4E-07	1.4E-07		
ANTIMONY												
ARSENIC					1.2E-07	7.0E-08	4.0E-07	8.8E-08	3.6E-07	9.3E-08		
CADMIUM					2.7E-13	1.9E-13	5.5E-12	1.8E-13	5.9E-11	5.9E-11		
COBALT					7.0E-10	6.6E-10	1.8E-09	4.8E-10				
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL					4.3E-11	3.4E-11	1.1E-10	3.0E-11	1.7E-10	8.5E-11		
VANADIUM												
HEXAVALENT CHROMIUM					2.5E-07	2.5E-07	2.9E-07	2.5E-07	3.9E-07	3.0E-07		
TOTAL CANCER RISK	2.2E-05	1.1E-07		3.3E-11	4.0E-07	3.6E-07	7.0E-07	3.4E-07	1.7E-06	2.1E-06	2.6E-09	6.7E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE				7.8E-12	1.5E-10	1.5E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10		
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE				1.3E-10	9.8E-10	9.6E-10	1.0E-09	9.8E-10	9.8E-10	9.8E-10		
BAP EQUIVALENT-HALFND	4.8E-04	2.4E-06							1.5E-05	3.1E-05	5.6E-08	1.5E-06
NAPHTHALENE		4.3E-10		4.0E-11	6.5E-10	6.4E-10	6.8E-10	6.5E-10	6.5E-10	6.5E-10		
AROCLOR-1254					9.9E-08	9.7E-08			6.9E-07	6.9E-07		
AROCLOR-1260					9.9E-08	9.7E-08			6.9E-07	6.9E-07		
ANTIMONY												
ARSENIC					9.1E-07	5.4E-07	3.1E-06	6.8E-07	2.8E-06	7.3E-07		
CADMIUM					5.5E-13	3.9E-13	1.1E-11	3.7E-13	1.2E-10	1.2E-10		
COBALT					1.4E-09	1.3E-09	3.7E-09	9.6E-10				
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL					8.7E-11	6.9E-11	2.2E-10	6.0E-11	3.4E-10	1.7E-10		
VANADIUM												
HEXAVALENT CHROMIUM					3.7E-06	3.7E-06	4.4E-06	3.7E-06	5.8E-06	4.5E-06		
TOTAL CANCER RISK	4.8E-04	2.4E-06		1.7E-10	4.8E-06	4.5E-06	7.5E-06	4.4E-06	2.5E-05	3.8E-05	5.6E-08	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C
SAMPLE ID	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13
SAMPLE DATE	20090930	20090930	20090930	20091030	20091030	20091030	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15	11	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.1E-06	3.8E-07	2.8E-09	2.6E-09	2.9E-07	2.8E-09	6.6E-08	2.2E-06	2.8E-09	2.4E-07	2.8E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.1E-06	3.8E-07	2.8E-09	2.6E-09	2.9E-07	2.8E-09	6.6E-08	2.2E-06	2.8E-09	2.4E-07	2.8E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.1E-04	8.2E-06	6.0E-08	5.6E-08	6.3E-06	6.0E-08	1.4E-06	4.7E-05	6.0E-08	5.2E-06	6.0E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-04	8.2E-06	6.0E-08	5.6E-08	6.3E-06	6.0E-08	1.4E-06	4.7E-05	6.0E-08	5.2E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C	SB-092C
SAMPLE ID	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13
SAMPLE DATE	20091102	20091102	20091102	20090929	20090929	20090929	20090929	20090929	20091102	20091102
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15	11	12	13	14	15	11	13
BOTTOM DEPTH	15	15	15	11	12	13	14	15	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	7.1E-07	6.6E-07	6.0E-07	2.8E-09	2.6E-09	1.1E-06	3.3E-06	2.2E-06	2.8E-09	3.6E-07
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC				1.2E-06	7.7E-07	1.4E-06	1.5E-06	2.0E-06		
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.1E-07	6.6E-07	6.0E-07	1.2E-06	7.7E-07	2.4E-06	4.8E-06	4.3E-06	2.8E-09	3.6E-07
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.5E-05	1.4E-05	1.3E-05	6.0E-08	5.6E-08	2.3E-05	7.1E-05	4.9E-05	6.0E-08	7.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC				9.7E-06	6.0E-06	1.1E-05	1.2E-05	1.6E-05		
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-05	1.4E-05	1.3E-05	9.7E-06	6.0E-06	3.4E-05	8.3E-05	6.5E-05	6.0E-08	7.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092C	SB-092D	SB-092D	SB-092D	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B
SAMPLE ID	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11
SAMPLE DATE	20091102	20091102	20091102	20091102	20091001	20091001	20091001	20091022	20091022	20091022	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	1.5E-07	5.0E-06	7.0E-07	1.4E-06	1.7E-05	2.3E-07	4.3E-07	3.1E-07	4.6E-05	7.6E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	1.5E-07	5.0E-06	7.0E-07	1.4E-06	1.7E-05	2.3E-07	4.3E-07	3.1E-07	4.6E-05	7.6E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	3.2E-06	1.1E-04	1.5E-05	3.0E-05	3.6E-04	5.0E-06	9.4E-06	6.6E-06	1.0E-03	1.6E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	3.2E-06	1.1E-04	1.5E-05	3.0E-05	3.6E-04	5.0E-06	9.4E-06	6.6E-06	1.0E-03	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762B	SB-762B	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-11-AVG	G-SB-762B-11-D	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	7.3E-07	7.0E-07	1.1E-06	7.6E-06	4.0E-05	9.4E-06	2.1E-07	2.9E-07	3.4E-06	9.9E-06	1.2E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.3E-07	7.0E-07	1.1E-06	7.6E-06	4.0E-05	9.4E-06	2.1E-07	2.9E-07	3.4E-06	9.9E-06	1.2E-05
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.6E-05	1.5E-05	2.4E-05	1.6E-04	8.6E-04	2.0E-04	4.5E-06	6.3E-06	7.5E-05	2.2E-04	2.5E-04
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-05	1.5E-05	2.4E-05	1.6E-04	8.6E-04	2.0E-04	4.5E-06	6.3E-06	7.5E-05	2.2E-04	2.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D	SB-763D	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11	G-SB-763D-13	G-SB-763D-15
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	6.4E-08	1.0E-07	1.7E-07	6.4E-07	1.2E-05	4.2E-05	3.0E-05	2.8E-09	2.8E-09	3.1E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	6.4E-08	1.0E-07	1.7E-07	6.4E-07	1.2E-05	4.2E-05	3.0E-05	2.8E-09	2.8E-09	3.1E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	1.4E-06	2.2E-06	3.7E-06	1.4E-05	2.5E-04	9.1E-04	6.6E-04	6.0E-08	6.0E-08	6.8E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	1.4E-06	2.2E-06	3.7E-06	1.4E-05	2.5E-04	9.1E-04	6.6E-04	6.0E-08	6.0E-08	6.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765	SB-765	SB-765	SB-803	SB-803	SB-803
SAMPLE ID	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091002	20091002	20091002	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	11	11	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	11	11	11	13	15	11	13	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.3E-07	9.3E-08	2.8E-09	8.6E-06	1.5E-07	2.0E-07	2.6E-09	5.9E-08	2.9E-09	6.6E-09	1.2E-06	7.6E-07
NAPHTHALENE										8.2E-11	9.5E-11	8.4E-11
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.3E-07	9.3E-08	2.8E-09	8.6E-06	1.5E-07	2.0E-07	2.6E-09	5.9E-08	2.9E-09	6.7E-09	1.2E-06	7.6E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	5.0E-06	2.0E-06	6.0E-08	1.9E-04	3.3E-06	4.3E-06	5.6E-08	1.3E-06	6.4E-08	1.4E-07	2.6E-05	1.6E-05
NAPHTHALENE										4.1E-10	4.8E-10	4.3E-10
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.0E-06	2.0E-06	6.0E-08	1.9E-04	3.3E-06	4.3E-06	5.6E-08	1.3E-06	6.4E-08	1.4E-07	2.6E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-804	SB-804	SB-804	SB-805	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	6.5E-07	2.3E-06	4.3E-06	6.9E-09	7.1E-09	7.1E-09	3.2E-07	2.7E-06	6.9E-09	2.6E-07	7.3E-09	4.4E-07	5.0E-06
NAPHTHALENE	9.1E-11	1.7E-10	2.2E-10	8.7E-11	8.9E-11	8.9E-11	8.7E-11	1.6E-09	8.7E-11	8.9E-11	9.1E-11	8.0E-11	1.6E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.5E-07	2.3E-06	4.3E-06	7.0E-09	7.2E-09	7.2E-09	3.2E-07	2.7E-06	7.0E-09	2.6E-07	7.4E-09	4.4E-07	5.0E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.4E-05	5.0E-05	9.3E-05	1.5E-07	1.5E-07	1.5E-07	6.9E-06	5.9E-05	1.5E-07	5.6E-06	1.6E-07	9.5E-06	1.1E-04
NAPHTHALENE	4.6E-10	8.5E-10	1.1E-09	4.4E-10	4.5E-10	4.5E-10	4.4E-10	8.1E-09	4.4E-10	4.5E-10	4.6E-10	4.0E-10	8.2E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.4E-05	5.0E-05	9.3E-05	1.5E-07	1.5E-07	1.5E-07	6.9E-06	5.9E-05	1.5E-07	5.6E-06	1.6E-07	9.5E-06	1.1E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823	20100824	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	6.9E-09	6.6E-09	6.3E-06	2.0E-08	7.3E-09	5.4E-08	7.4E-08	7.4E-09	8.2E-08	7.1E-09	7.1E-09	1.4E-06	6.9E-09
NAPHTHALENE	8.7E-11	8.2E-11	1.1E-09	9.3E-11	9.1E-11	8.7E-11	8.9E-11	9.3E-11	8.4E-11	8.9E-11	8.9E-11	8.2E-10	8.7E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.0E-09	6.7E-09	6.3E-06	2.0E-08	7.4E-09	5.4E-08	7.5E-08	7.5E-09	8.2E-08	7.2E-09	7.2E-09	1.4E-06	7.0E-09
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.4E-04	4.4E-07	1.6E-07	1.2E-06	1.6E-06	1.6E-07	1.8E-06	1.5E-07	1.5E-07	3.1E-05	1.5E-07
NAPHTHALENE	4.4E-10	4.1E-10	5.5E-09	4.7E-10	4.6E-10	4.4E-10	4.5E-10	4.7E-10	4.3E-10	4.5E-10	4.5E-10	4.1E-09	4.4E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.5E-07	1.4E-07	1.4E-04	4.4E-07	1.6E-07	1.2E-06	1.6E-06	1.6E-07	1.8E-06	1.5E-07	1.5E-07	3.1E-05	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	15	15
BOTTOM DEPTH	13	15	15	15
INDUSTRIAL				
1,2,3-TRICHLOROBENZENE				
1,2,4-TRICHLOROBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
BAP EQUIVALENT-HALFND	2.1E-06	6.8E-06	6.8E-06	
NAPHTHALENE	5.6E-10	3.7E-10	3.7E-10	
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC				
CADMIUM				
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY				
MOLYBDENUM				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL CANCER RISK	2.1E-06	6.8E-06	6.8E-06	
RESIDENTIAL				
1,2,3-TRICHLOROBENZENE				
1,2,4-TRICHLOROBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
BAP EQUIVALENT-HALFND	4.6E-05	1.5E-04	1.5E-04	
NAPHTHALENE	2.8E-09	1.9E-09	1.9E-09	
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC				
CADMIUM				
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY				
MOLYBDENUM				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL CANCER RISK	4.6E-05	1.5E-04	1.5E-04	

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-092	SB-092	SB-092
SAMPLE ID	G-TP-2-5-13-14	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13
SAMPLE DATE	20100921	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	214	26	30	20	30	12	12	11	12	13
BOTTOM DEPTH	14	214	26	30	20	30	12	12	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE		1.3E-07	1.8E-06	1.8E-06	1.9E-06	1.8E-06	1.8E-06	1.8E-06			
1,2,4-TRICHLOROBENZENE		4.4E-07	8.5E-06	8.4E-06	8.8E-06	8.5E-06	8.5E-06	8.5E-06			
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE		1.1E-08	8.9E-08	8.7E-08	9.2E-08	8.9E-08	8.9E-08	8.9E-08			
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.3E-07	3.8E-06	3.7E-06	3.9E-06	3.8E-06	3.8E-06	3.8E-06			
AROCLOR-1254			1.4E-03	1.4E-03			9.8E-03	9.8E-03			
AROCLOR-1260											
ANTIMONY			6.4E-04	1.1E-04	1.4E-04	1.1E-04	3.0E-03	3.0E-03			
ARSENIC			7.3E-04	4.3E-04	2.5E-03	5.5E-04	2.2E-03	5.8E-04	7.8E-03	4.8E-03	8.4E-03
CADMIUM			7.5E-06	5.3E-06	1.5E-04	5.0E-06	1.6E-03	1.6E-03			
COBALT			5.8E-03	5.4E-03	1.5E-02	3.9E-03					
IRON			1.7E-02	6.6E-03	8.1E-03	4.8E-03					
LEAD											
MANGANESE			1.4E-02	6.8E-03	1.2E-02	2.7E-03					
MERCURY			4.7E-05	4.7E-05	4.9E-05	4.7E-05	2.6E-04	2.4E-04			
MOLYBDENUM			1.1E-05	4.5E-06	9.4E-06	4.4E-06					
NICKEL			7.0E-04	5.5E-04	1.8E-03	4.8E-04	2.8E-03	1.4E-03			
VANADIUM			1.1E-03	1.3E-03	2.1E-03	2.1E-03					
HEXAVALENT CHROMIUM			4.6E-04	4.7E-04	5.4E-04	4.7E-04	7.2E-04	5.6E-04			
TOTAL HAZARD INDEX	2.4E-06	8.2E-07	4.2E-02	2.3E-02	4.3E-02	1.5E-02	2.0E-02	1.7E-02	7.8E-03	4.8E-03	8.4E-03
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE		3.5E-06	4.8E-05	4.7E-05	5.0E-05	4.8E-05	4.8E-05	4.8E-05			
1,2,4-TRICHLOROBENZENE		2.0E-06	3.9E-05	3.8E-05	4.0E-05	3.9E-05	3.9E-05	3.9E-05			
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE		1.1E-07	8.4E-07	8.3E-07	8.7E-07	8.4E-07	8.4E-07	8.4E-07			
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.1E-06	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05			
AROCLOR-1254			1.8E-02	1.7E-02			1.2E-01	1.2E-01			
AROCLOR-1260											
ANTIMONY			1.1E-02	1.8E-03	2.3E-03	1.8E-03	4.9E-02	4.9E-02			
ARSENIC			1.5E-02	8.8E-03	5.1E-02	1.1E-02	4.5E-02	1.2E-02	1.6E-01	9.7E-02	1.7E-01
CADMIUM			1.6E-04	1.1E-04	3.2E-03	1.1E-04	3.5E-02	3.5E-02			
COBALT			1.4E-01	1.3E-01	3.6E-01	9.2E-02					
IRON			4.1E-01	1.6E-01	1.9E-01	1.1E-01					
LEAD											
MANGANESE			1.4E-01	6.9E-02	1.2E-01	2.8E-02					
MERCURY			6.0E-04	6.0E-04	6.3E-04	6.0E-04	3.3E-03	3.0E-03			
MOLYBDENUM			2.5E-04	1.1E-04	2.2E-04	1.0E-04					
NICKEL			7.2E-03	5.7E-03	1.9E-02	4.9E-03	2.8E-02	1.4E-02			
VANADIUM			2.7E-02	3.1E-02	4.9E-02	5.0E-02					
HEXAVALENT CHROMIUM			4.0E-03	4.1E-03	4.8E-03	4.1E-03	6.3E-03	5.0E-03			
TOTAL HAZARD INDEX	1.1E-05	6.7E-06	7.7E-01	4.2E-01	8.0E-01	3.1E-01	2.9E-01	2.4E-01	1.6E-01	9.7E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805	SB-805	SB-805	SB-806
SAMPLE ID	G-SB-92RE-14	G-SB-92RE-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11
SAMPLE DATE	20090929	20090929	20100826	20100826	20100826	20100823	20100823	20100823	20100824	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE			2.4E-06	2.8E-06	2.4E-06	2.6E-06	4.9E-06	6.3E-06	2.5E-06	2.6E-06	2.6E-06	2.5E-06
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC	9.4E-03	1.3E-02										
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.4E-03	1.3E-02	2.4E-06	2.8E-06	2.4E-06	2.6E-06	4.9E-06	6.3E-06	2.5E-06	2.6E-06	2.6E-06	2.5E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE			1.1E-05	1.3E-05	1.1E-05	1.2E-05	2.3E-05	2.9E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC	1.9E-01	2.6E-01										
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.9E-01	2.6E-01	1.1E-05	1.3E-05	1.1E-05	1.2E-05	2.3E-05	2.9E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810
SAMPLE ID	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15
SAMPLE DATE	20100824	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	4.6E-05	2.5E-06	2.6E-06	2.6E-06	2.3E-06	4.7E-06	2.5E-06	2.4E-06	3.1E-05	2.7E-06	2.6E-06	2.5E-06	2.6E-06
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	4.6E-05	2.5E-06	2.6E-06	2.6E-06	2.3E-06	4.7E-06	2.5E-06	2.4E-06	3.1E-05	2.7E-06	2.6E-06	2.5E-06	2.6E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.2E-04	1.2E-05	1.2E-05	1.2E-05	1.1E-05	2.2E-05	1.2E-05	1.1E-05	1.5E-04	1.3E-05	1.2E-05	1.2E-05	1.2E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	2.2E-04	1.2E-05	1.2E-05	1.2E-05	1.1E-05	2.2E-05	1.2E-05	1.1E-05	1.5E-04	1.3E-05	1.2E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

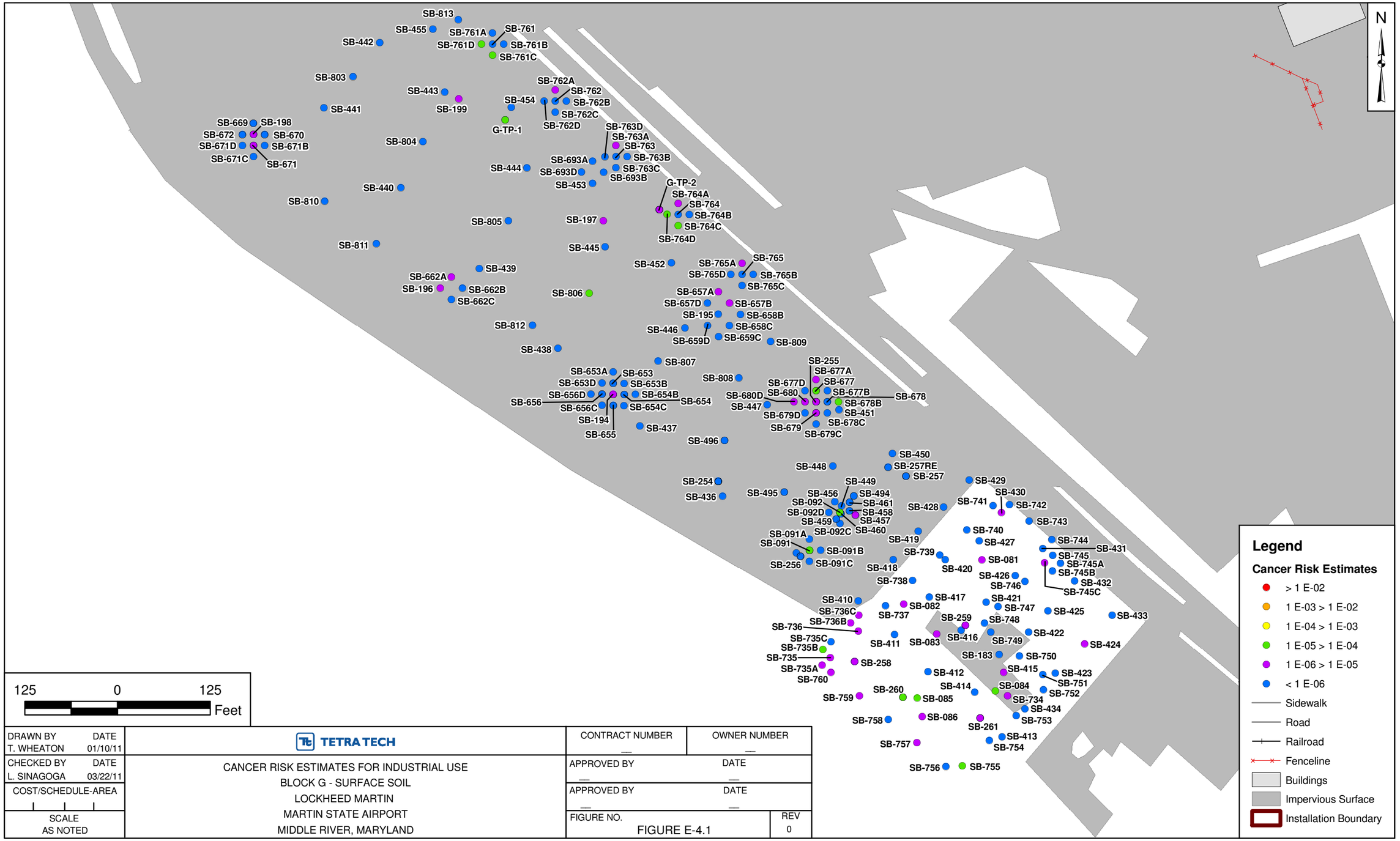
TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-811	SB-811	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-11	G-SB-811-13	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15
SAMPLE DATE	20100823	20100823	20100823	20100824	20100824	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	15	11	13	15
BOTTOM DEPTH	11	13	15	11	15	11	13	15
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
NAPHTHALENE	2.7E-06	2.4E-06	2.6E-06	2.6E-06	2.4E-05	2.5E-06	1.6E-05	1.1E-05
AROCLOR-1254								
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	2.7E-06	2.4E-06	2.6E-06	2.6E-06	2.4E-05	2.5E-06	1.6E-05	1.1E-05
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
NAPHTHALENE	1.3E-05	1.1E-05	1.2E-05	1.2E-05	1.1E-04	1.2E-05	7.6E-05	5.0E-05
AROCLOR-1254								
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	1.3E-05	1.1E-05	1.2E-05	1.2E-05	1.1E-04	1.2E-05	7.6E-05	5.0E-05

Legend
Hazard Index Values

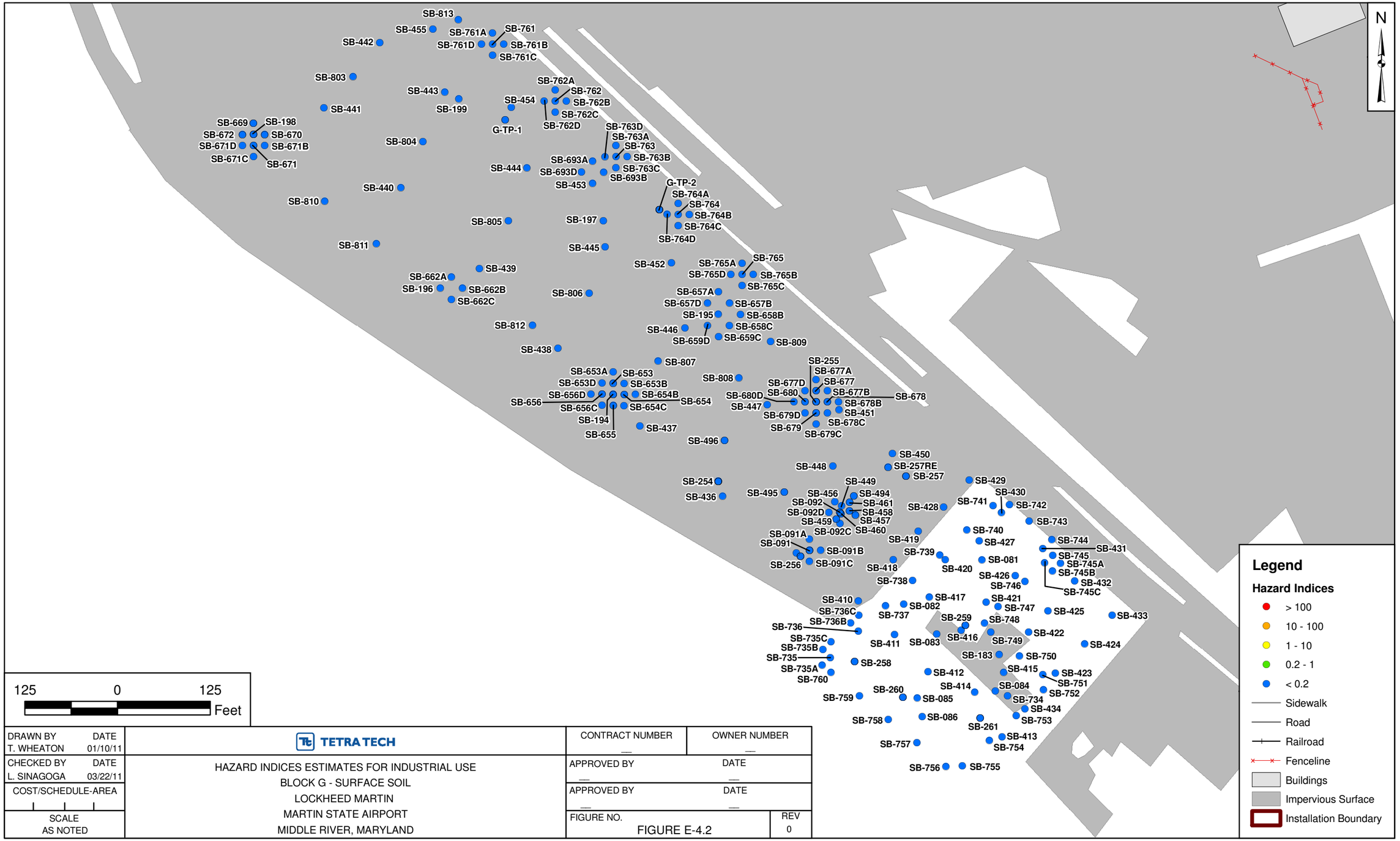
> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



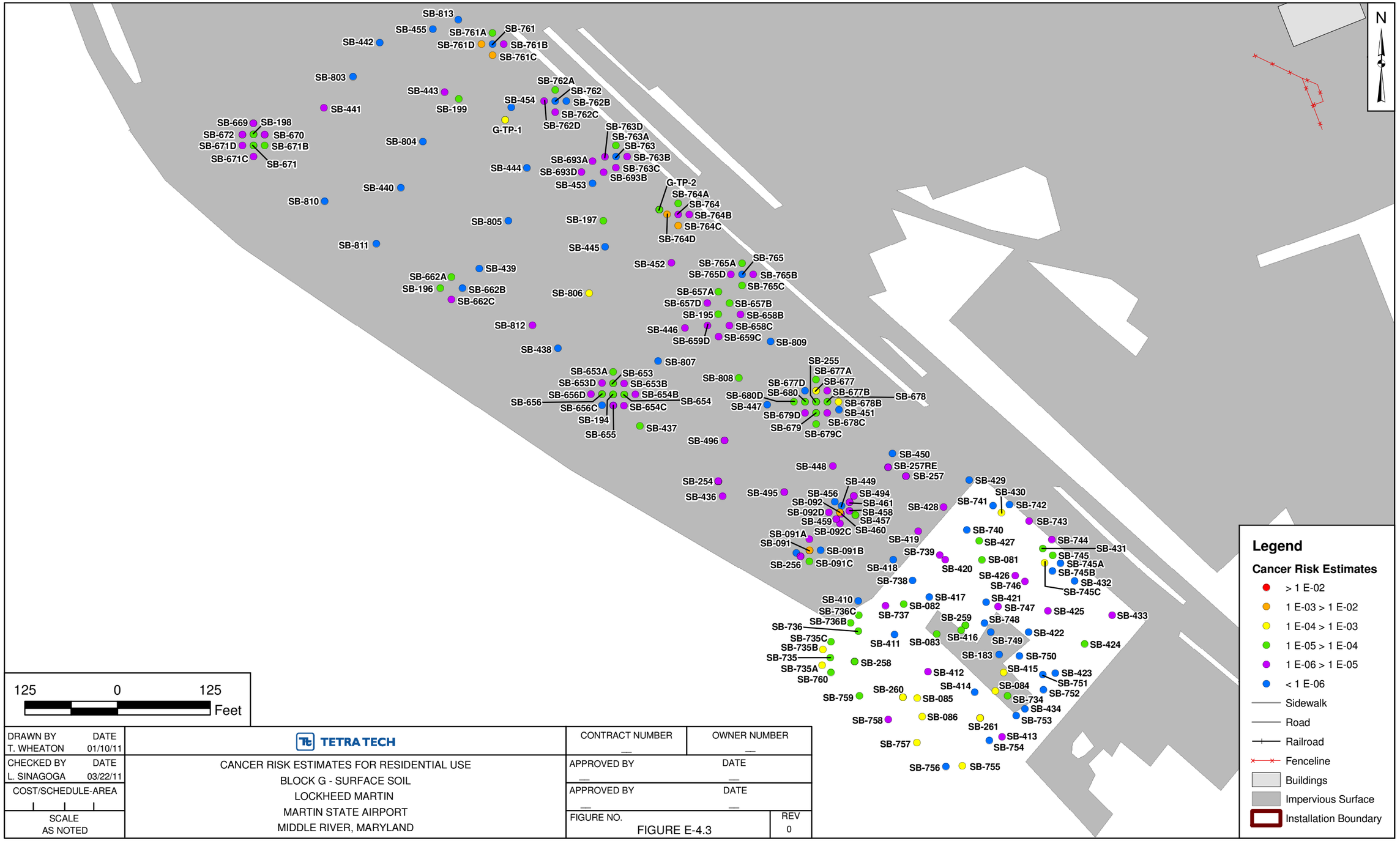
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.1 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



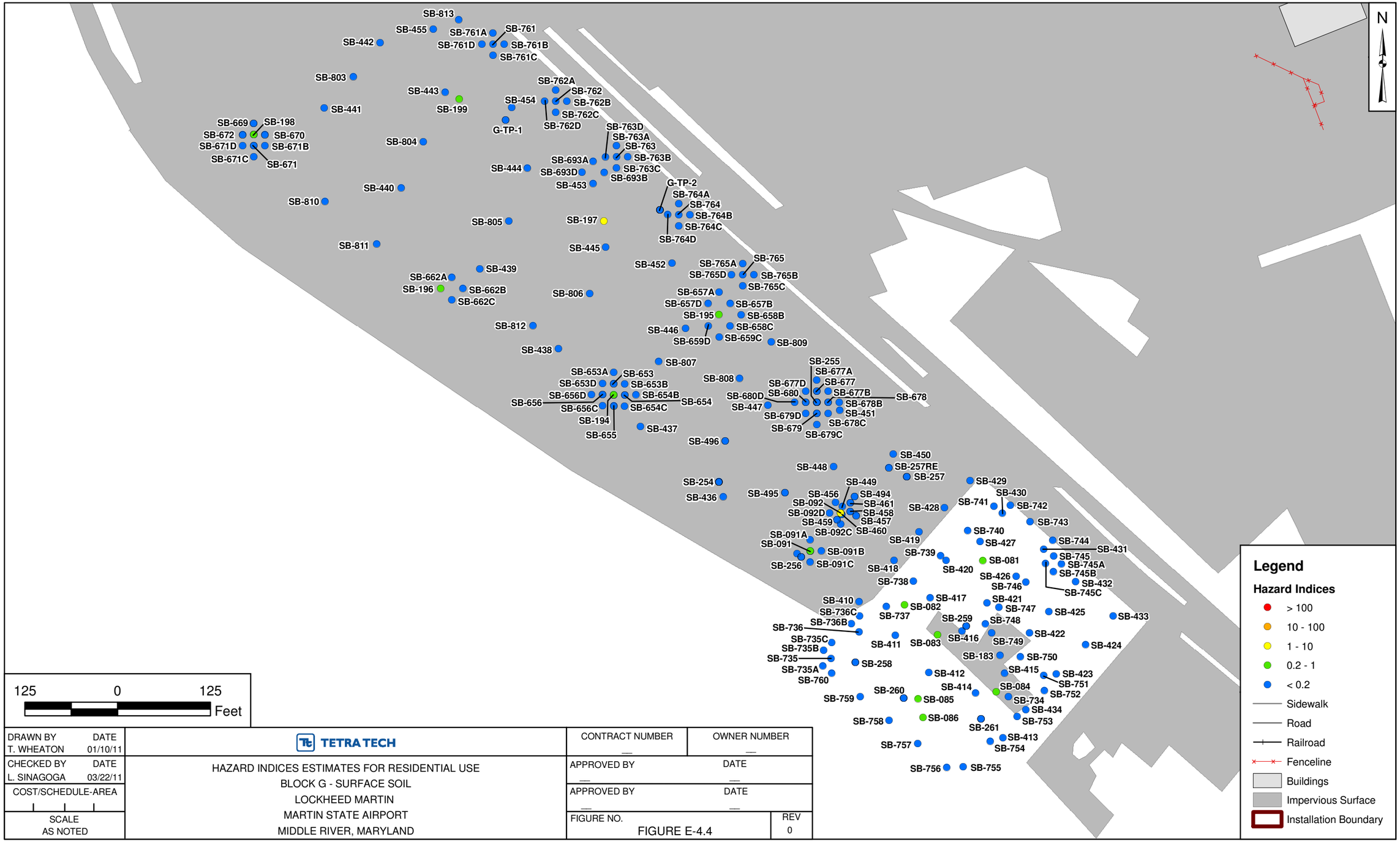
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.2 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



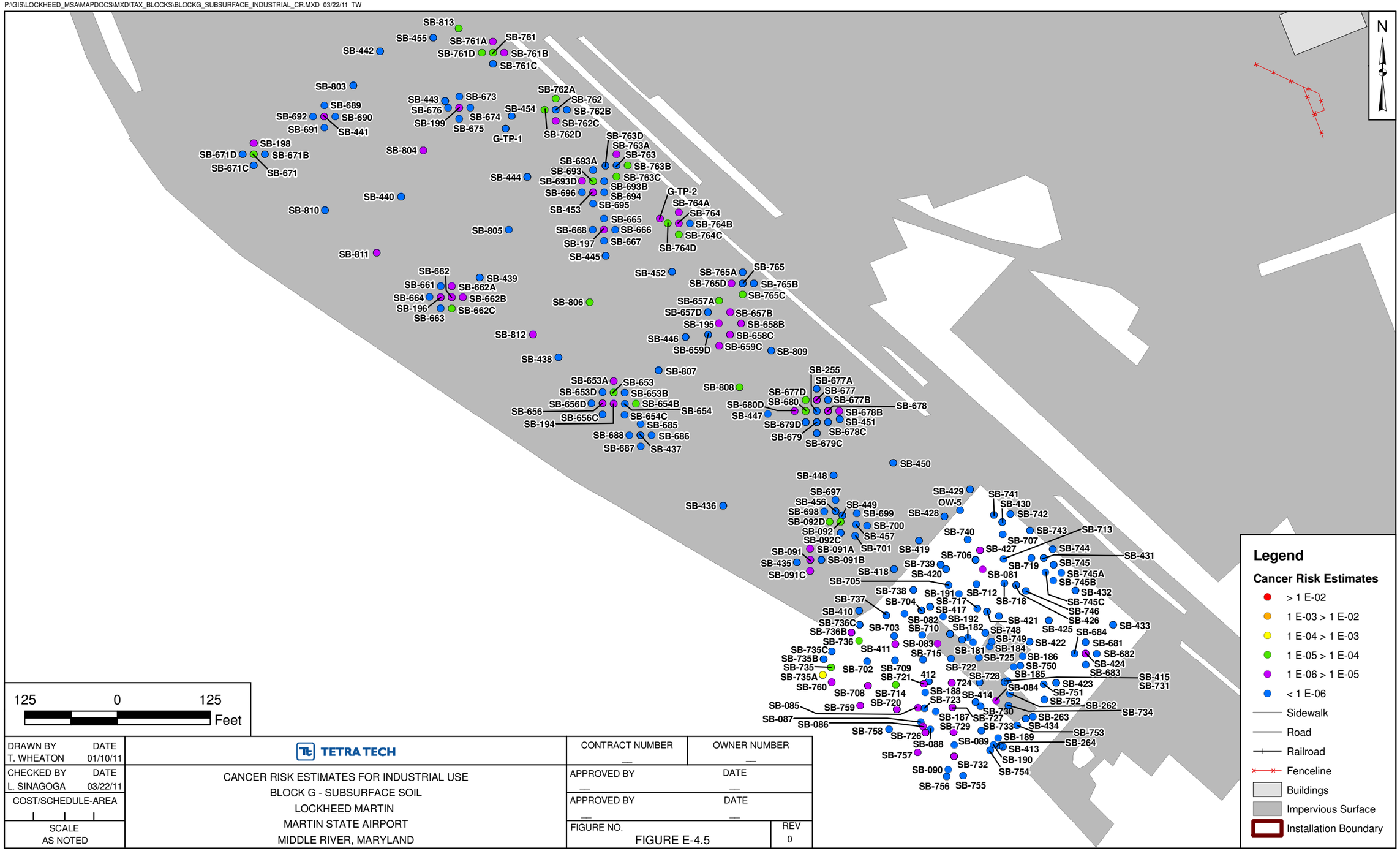
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE	APPROVED BY — / DATE —
COST/SCHEDULE-AREA		BLOCK G - SURFACE SOIL	APPROVED BY — / DATE —
SCALE AS NOTED		LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	FIGURE NO. FIGURE E-4.3 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



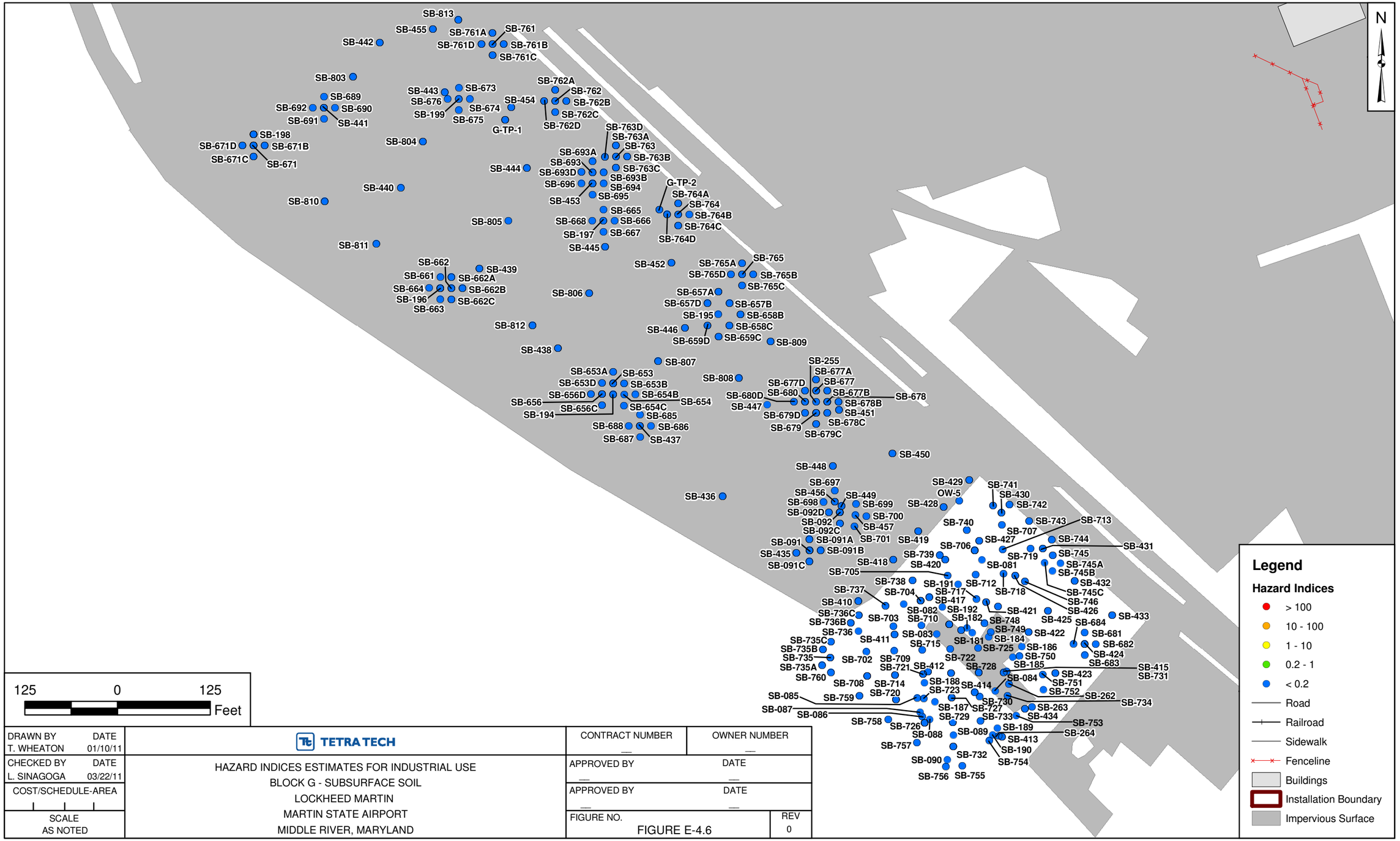
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.4 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



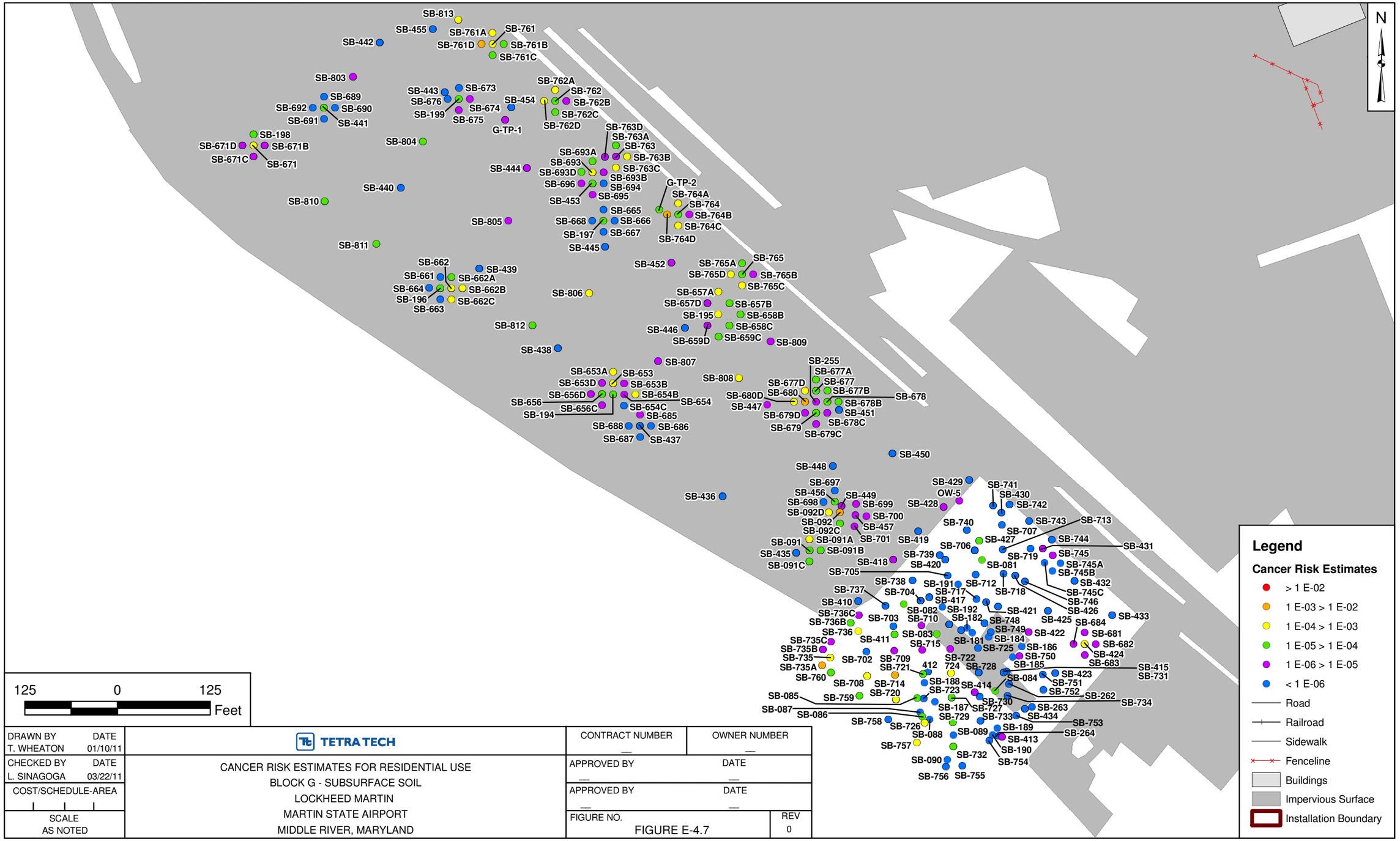
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.5 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



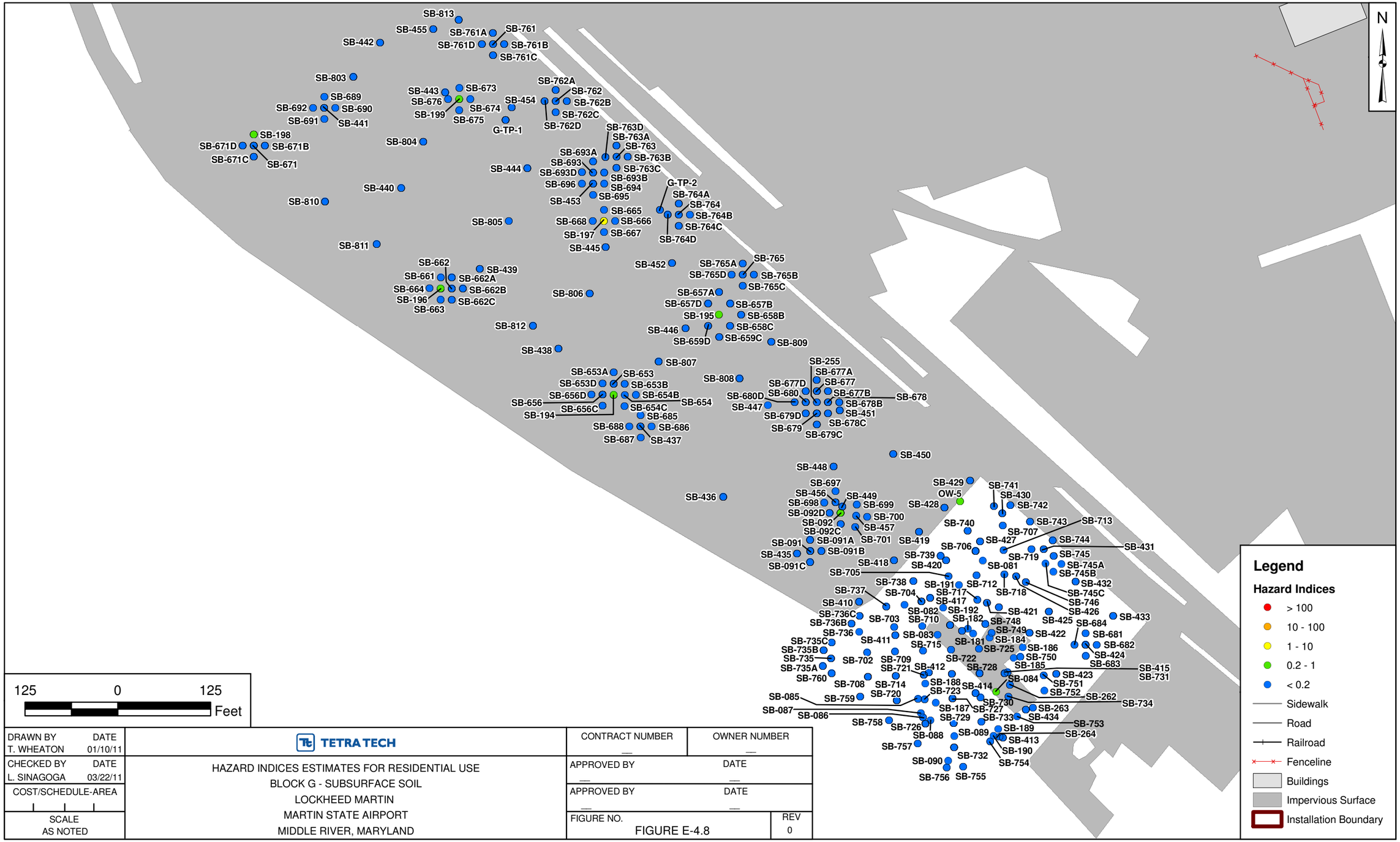
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.6 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



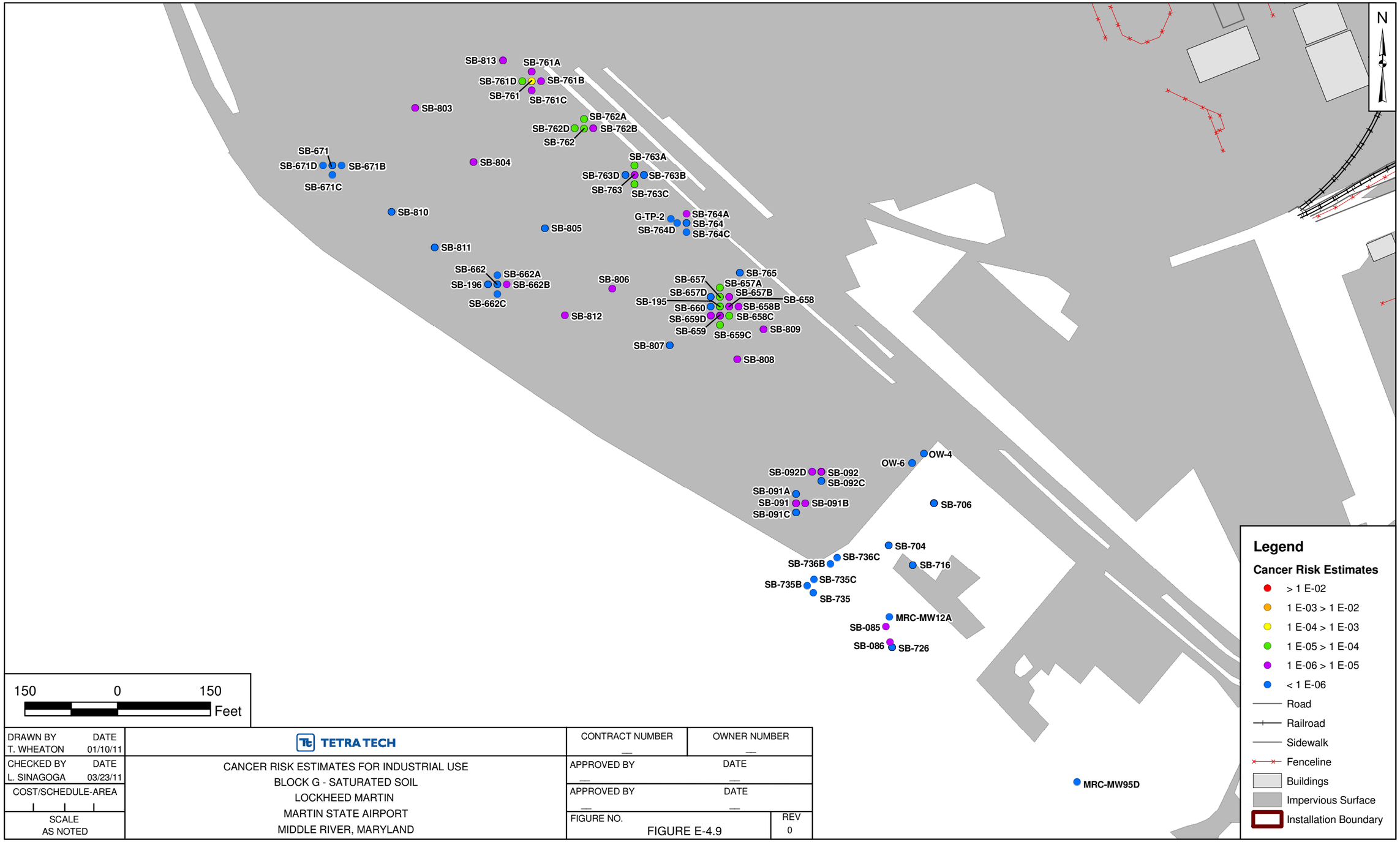
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.7 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



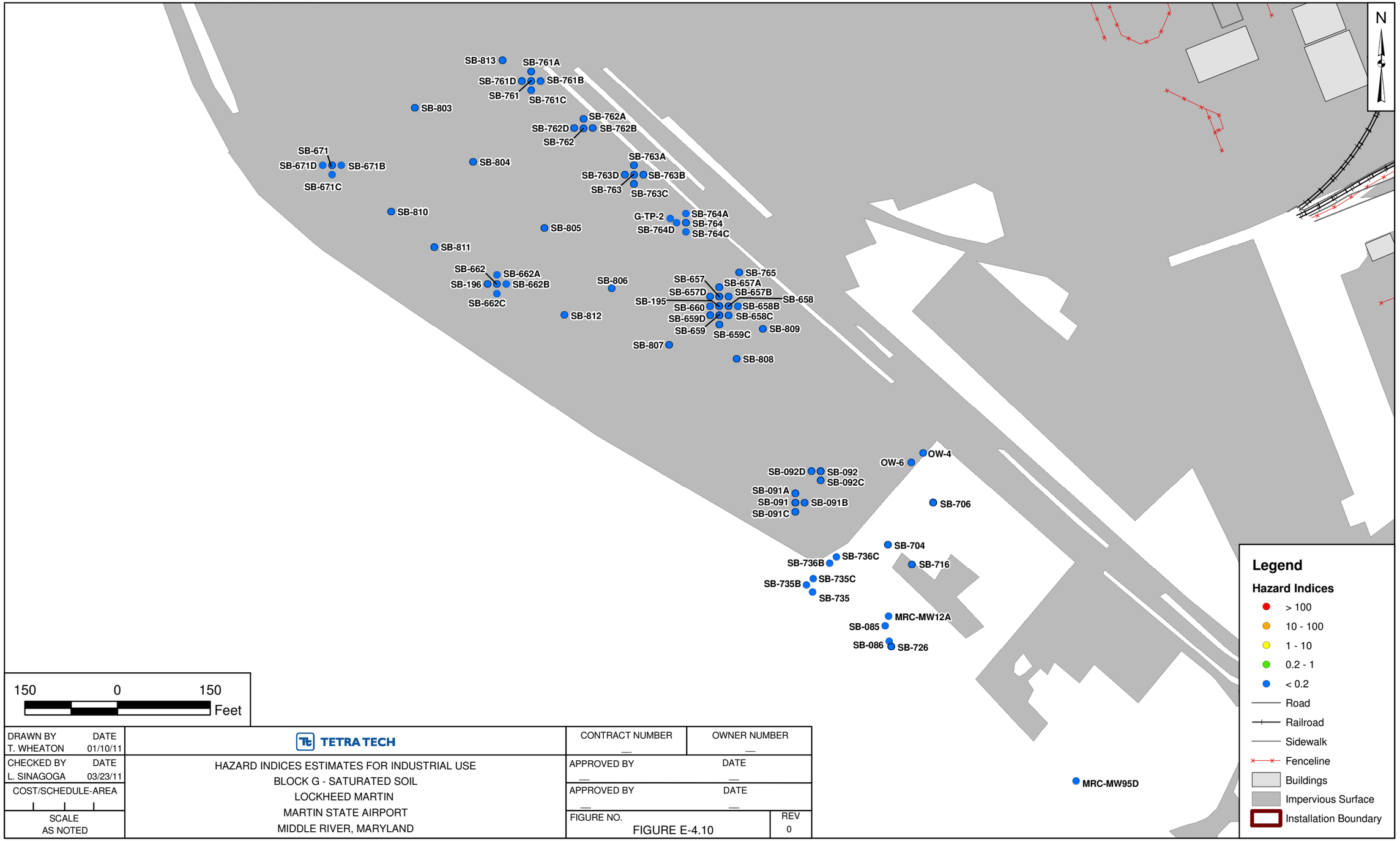
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.8 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_INDUSTRIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.9 / REV 0

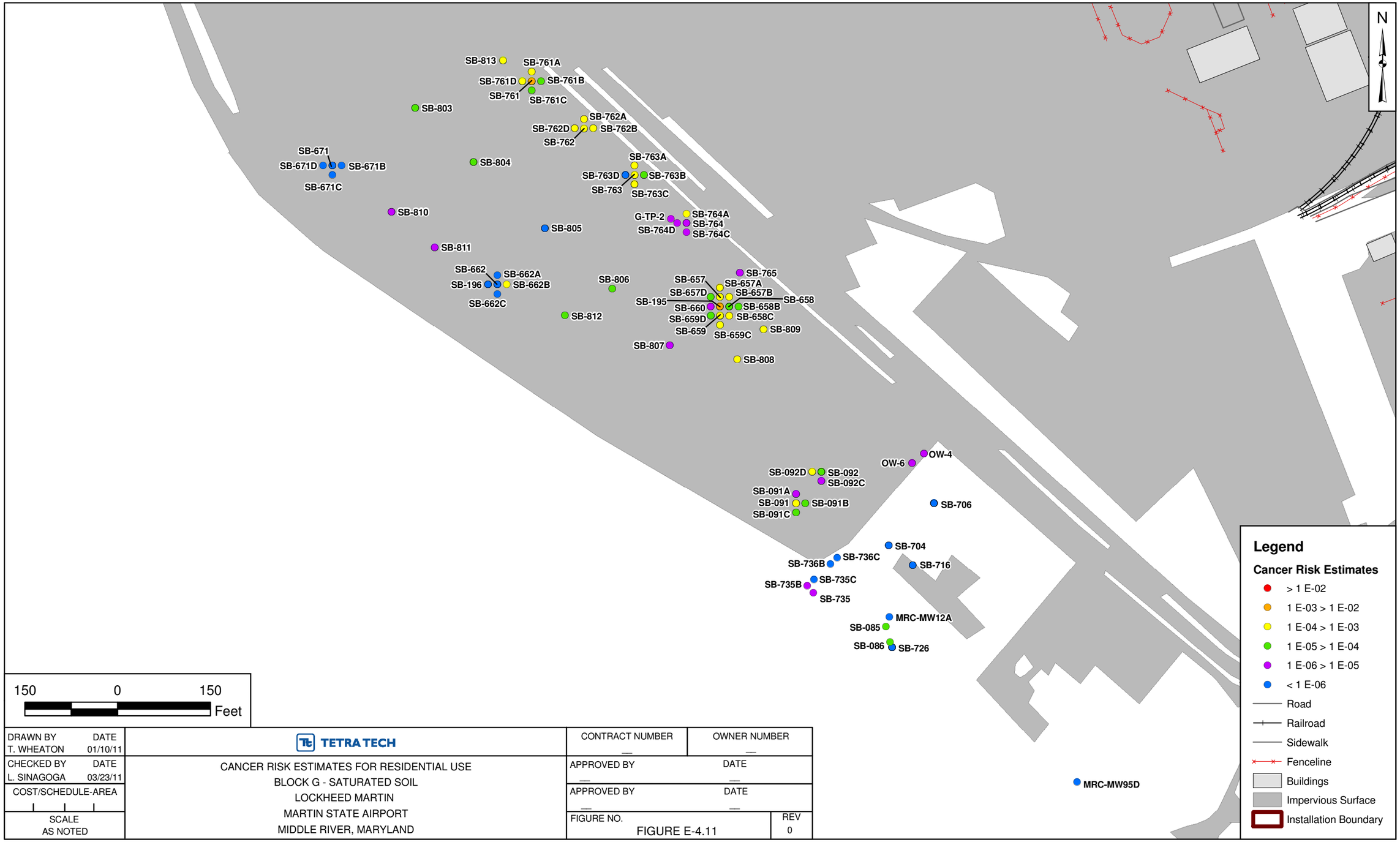
P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_INDUSTRIAL_HI.MXD 03/23/11 TW



150 0 150 Feet

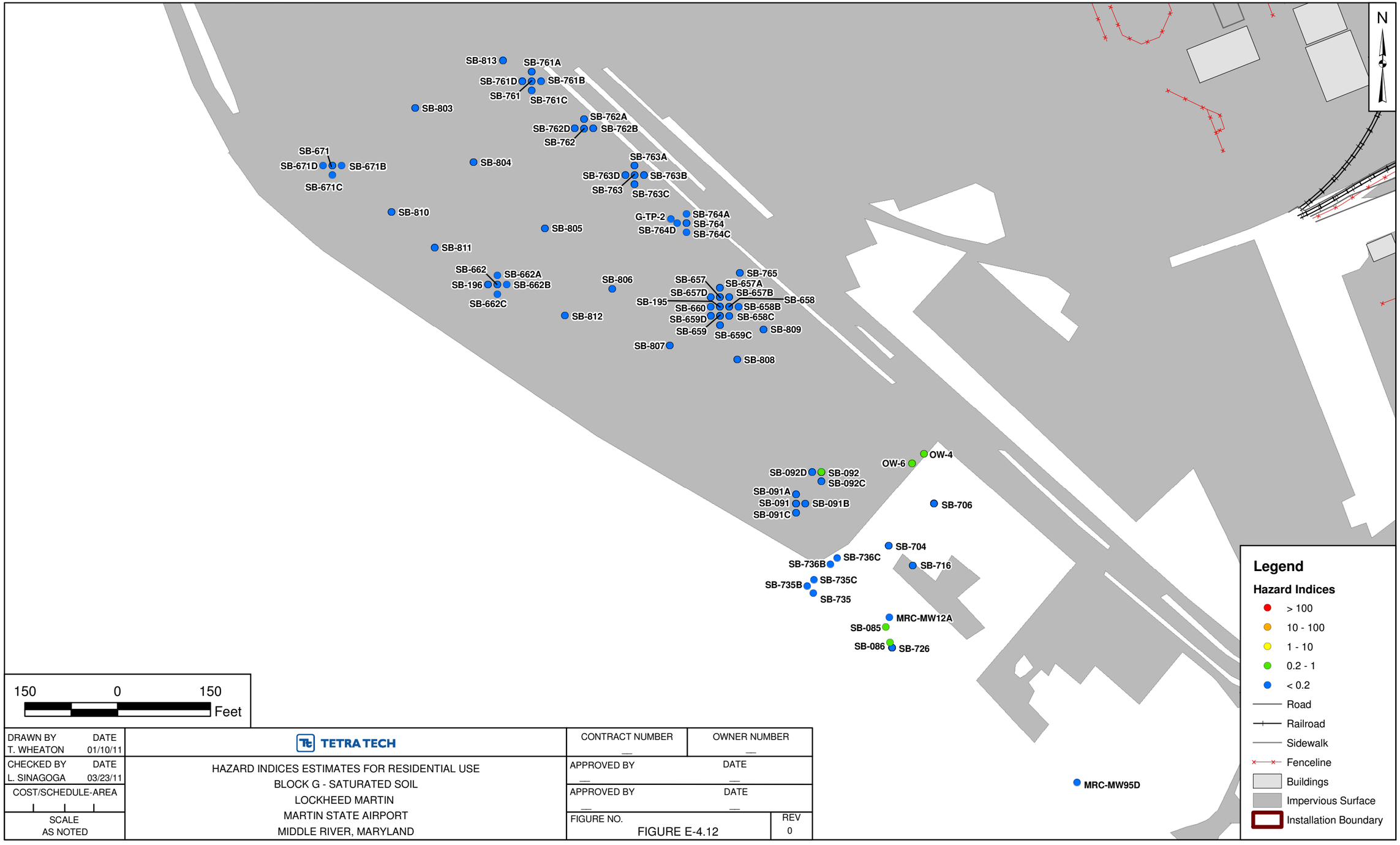
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.10 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_RESIDENTIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_RESIDENTIAL_HI.MXD 03/23/11 TW



150 0 150 Feet

DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.12 / REV 0

APPENDIX E.5

BLOCK H

TABLES

E-5.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block H

E-5.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block H

E-5.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block H

E-5.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block H

E-5.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block H

E-5.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block H

FIGURES

E-5.1 Cancer Risk Estimates for Industrial Use – Block H – Surface Soil

E-5.2 Hazard Indices Estimates for Industrial Use – Block H – Surface Soil

E-5.3 Cancer Risk Estimates for Residential Use – Block H – Surface Soil

E-5.4 Hazard Indices Estimates for Residential Use – Block H – Surface Soil

E-5.5 Cancer Risk Estimates for Industrial Use – Block H – Subsurface Soil

E-5.6 Hazard Indices Estimates for Industrial Use – Block H – Subsurface Soil

E-5.7 Cancer Risk Estimates for Residential Use – Block H – Subsurface Soil

E-5.8 Hazard Indices Estimates for Residential Use – Block H – Subsurface Soil

E-5.9 Cancer Risk Estimates for Industrial Use – Block H – Saturated Soil

E-5.10 Hazard Indices Estimates for Industrial Use – Block H – Saturated Soil

E-5.11 Cancer Risk Estimates for Residential Use – Block H – Saturated Soil

E-5.12 Hazard Indices Estimates for Residential Use – Block H – Saturated Soil

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-201	SB-202	SB-203	SB-282	SB-282	SB-282	SB-282A	SB-282B	SB-282C	SB-282D	SB-283
SAMPLE ID	SB-200-SS	SB-201-SS	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102
SAMPLE DATE	20050513	20050513	20050513	20050513	20090929	20090929	20051026	20091110	20091110	20091110	20091110	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					1	2	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	2	2	1	1	1	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.7E-06	3.5E-07	1.4E-07	3.8E-07	5.7E-07	5.0E-07		8.3E-05	1.1E-07	2.4E-07	7.4E-05	2.0E-06
ANTIMONY												
ARSENIC	1.3E-07	2.2E-06	2.6E-07	3.7E-07			2.2E-06					3.7E-07
CADMIUM	4.1E-12	2.3E-11	9.1E-12	2.7E-12			9.1E-13					9.1E-13
COBALT	6.4E-10	4.5E-09	7.5E-10	1.9E-09			1.4E-09					1.0E-09
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	4.6E-11	7.2E-11	4.6E-11	8.5E-11			7.6E-11					3.9E-11
VANADIUM												
HEXAVALENT CHROMIUM	2.4E-07	1.1E-07	2.1E-07	3.3E-07			6.6E-07					3.1E-07
TOTAL CANCER RISK	2.1E-06	2.7E-06	6.1E-07	1.1E-06	5.7E-07	5.0E-07	2.9E-06	8.3E-05	1.1E-07	2.4E-07	7.4E-05	2.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.7E-05	7.5E-06	3.0E-06	8.1E-06	1.2E-05	1.1E-05		1.8E-03	2.4E-06	5.1E-06	1.6E-03	4.2E-05
ANTIMONY												
ARSENIC	1.0E-06	1.7E-05	2.0E-06	2.8E-06			1.7E-05					2.8E-06
CADMIUM	8.2E-12	4.6E-11	1.8E-11	5.5E-12			1.8E-12					1.8E-12
COBALT	1.3E-09	9.0E-09	1.5E-09	3.9E-09			2.7E-09					2.1E-09
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	9.3E-11	1.5E-10	9.3E-11	1.7E-10			1.5E-10					7.9E-11
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-06	1.6E-06	3.2E-06	5.0E-06			9.8E-06					4.6E-06
TOTAL CANCER RISK	4.2E-05	2.6E-05	8.2E-06	1.6E-05	1.2E-05	1.1E-05	2.7E-05	1.8E-03	2.4E-06	5.1E-06	1.6E-03	5.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-284	SB-285	SB-286	SB-293	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468
SAMPLE ID	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102
SAMPLE DATE	20051027	20051027	20051027	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1		1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	1	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-06	6.9E-07	6.4E-07	6.2E-07	6.2E-07	9.0E-08	2.4E-07	2.4E-09	2.6E-09	3.8E-08	2.6E-09	2.6E-09
ANTIMONY												
ARSENIC	2.2E-07	8.8E-07	5.1E-07	6.2E-07	7.3E-07							
CADMIUM	9.1E-13	1.6E-12	6.8E-13	8.2E-12	9.5E-12							
COBALT	1.2E-09	1.5E-09	1.7E-09	1.0E-09	6.6E-10							
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	5.3E-11	9.8E-11	3.3E-11	6.1E-11	4.9E-11							
VANADIUM												
HEXAVALENT CHROMIUM	2.5E-07	6.2E-07	8.5E-07	3.2E-07	3.1E-07							
TOTAL CANCER RISK	1.9E-06	2.2E-06	2.0E-06	1.6E-06	1.7E-06	9.0E-08	2.4E-07	2.4E-09	2.6E-09	3.8E-08	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.1E-05	1.5E-05	1.4E-05	1.4E-05	1.4E-05	2.0E-06	5.2E-06	5.3E-08	5.6E-08	8.3E-07	5.6E-08	5.6E-08
ANTIMONY												
ARSENIC	1.7E-06	6.8E-06	4.0E-06	4.8E-06	5.7E-06							
CADMIUM	1.8E-12	3.2E-12	1.4E-12	1.6E-11	1.9E-11							
COBALT	2.5E-09	3.0E-09	3.4E-09	2.0E-09	1.3E-09							
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	1.1E-10	2.0E-10	6.7E-11	1.2E-10	9.9E-11							
VANADIUM												
HEXAVALENT CHROMIUM	3.7E-06	9.2E-06	1.3E-05	4.8E-06	4.6E-06							
TOTAL CANCER RISK	3.7E-05	3.1E-05	3.1E-05	2.3E-05	2.4E-05	2.0E-06	5.2E-06	5.3E-08	5.6E-08	8.3E-07	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-469	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478	SB-479	SB-480
SAMPLE ID	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102
SAMPLE DATE	20071023	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.2E-08	1.8E-07	2.8E-09	2.6E-09	2.6E-09	8.3E-08	2.6E-09	2.6E-09	2.6E-09	2.4E-09	5.2E-08	2.6E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.2E-08	1.8E-07	2.8E-09	2.6E-09	2.6E-09	8.3E-08	2.6E-09	2.6E-09	2.6E-09	2.4E-09	5.2E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.1E-06	3.9E-06	6.0E-08	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.3E-08	1.1E-06	5.6E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-06	3.9E-06	6.0E-08	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.3E-08	1.1E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487	SB-488	SB-604A	SB-604B	SB-604D	SB-610B
SAMPLE ID	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20091109	20091110	20091110	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.1E-07	4.5E-08	1.1E-07	7.3E-08	3.5E-08	6.4E-07	6.4E-07	3.1E-08	5.9E-08	5.7E-07	1.6E-04	5.2E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-07	4.5E-08	1.1E-07	7.3E-08	3.5E-08	6.4E-07	6.4E-07	3.1E-08	5.9E-08	5.7E-07	1.6E-04	5.2E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.3E-06	9.8E-07	2.4E-06	1.6E-06	7.5E-07	1.4E-05	1.4E-05	6.8E-07	1.3E-06	1.2E-05	3.4E-03	1.1E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.3E-06	9.8E-07	2.4E-06	1.6E-06	7.5E-07	1.4E-05	1.4E-05	6.8E-07	1.3E-06	1.2E-05	3.4E-03	1.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-610C	SB-610D	SB-611A	SB-611D	SB-814	SB-815	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-817-SS
SAMPLE DATE	20091109	20091109	20091109	20091109	20100826	20100826	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
INDUSTRIAL									
BAP EQUIVALENT-HALFND	1.1E-07	8.6E-08	1.8E-07	2.1E-06	6.8E-09	6.6E-09	2.0E-07	2.0E-07	6.4E-09
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
LEAD									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.1E-07	8.6E-08	1.8E-07	2.1E-06	6.8E-09	6.6E-09	2.0E-07	2.0E-07	6.4E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	2.3E-06	1.9E-06	4.0E-06	4.6E-05	1.5E-07	1.4E-07	4.3E-06	4.3E-06	1.4E-07
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
LEAD									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.3E-06	1.9E-06	4.0E-06	4.6E-05	1.5E-07	1.4E-07	4.3E-06	4.3E-06	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-283	SB-284	SB-285	SB-286	SB-293	SB-294
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	SB-282-0102	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102	SB-294-0001
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20051026	20051027	20051027	20051027	20051027	20051028	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH			1	2			1	1	1	1	1	1	
BOTTOM DEPTH	1	1	1	2	1	1	2	2	2	2	2	2	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
ANTIMONY	2.1E-03	2.3E-03			1.4E-03	2.3E-03		9.2E-04	8.7E-04	1.6E-03	8.0E-04	3.9E-04	4.5E-04
ARSENIC	8.0E-04	1.4E-02			1.6E-03	2.3E-03	1.4E-02	2.3E-03	1.4E-03	5.5E-03	3.2E-03	3.9E-03	4.6E-03
CADMIUM	1.1E-04	6.2E-04			2.5E-04	7.5E-05	2.5E-05	2.5E-05	2.5E-05	4.4E-05	1.9E-05	2.2E-04	2.6E-04
COBALT	5.2E-03	3.7E-02			6.1E-03	1.6E-02	1.1E-02	8.4E-03	1.0E-02	1.2E-02	1.4E-02	8.2E-03	5.4E-03
LEAD													
MERCURY	1.9E-03	5.4E-03	7.1E-04	4.5E-05	2.8E-04	1.9E-04	4.7E-05	2.4E-05	9.4E-05	2.4E-05	4.7E-05	1.4E-04	4.7E-05
MOLYBDENUM	3.3E-05	5.0E-05			2.2E-05	2.8E-05	3.3E-05	3.3E-05	2.2E-05	4.2E-05	6.0E-05	3.8E-05	6.1E-05
NICKEL	7.4E-04	1.2E-03			7.4E-04	1.4E-03	1.2E-03	6.4E-04	8.6E-04	1.6E-03	5.4E-04	9.9E-04	7.9E-04
VANADIUM	1.6E-03	3.8E-03			1.5E-03	2.3E-03	3.6E-03	2.1E-03	1.6E-03	4.2E-03	2.1E-03	1.9E-03	1.7E-03
HEXAVALENT CHROMIUM	4.5E-04	2.0E-04			4.0E-04	6.2E-04	1.2E-03	5.7E-04	4.6E-04	1.1E-03	1.6E-03	6.0E-04	5.7E-04
TOTAL HAZRD INDEX	1.3E-02	6.4E-02	7.1E-04	4.5E-05	1.2E-02	2.5E-02	3.1E-02	1.5E-02	1.5E-02	2.6E-02	2.2E-02	1.6E-02	1.4E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
ANTIMONY	3.4E-02	3.8E-02			2.3E-02	3.8E-02		1.5E-02	1.4E-02	2.7E-02	1.3E-02	6.4E-03	7.4E-03
ARSENIC	1.6E-02	2.8E-01			3.2E-02	4.6E-02	2.8E-01	4.6E-02	2.8E-02	1.1E-01	6.5E-02	7.9E-02	9.2E-02
CADMIUM	2.4E-03	1.4E-02			5.4E-03	1.6E-03	5.4E-04	5.4E-04	5.4E-04	9.5E-04	4.1E-04	4.9E-03	5.7E-03
COBALT	1.2E-01	8.6E-01			1.4E-01	3.7E-01	2.6E-01	2.0E-01	2.4E-01	2.9E-01	3.2E-01	1.9E-01	1.3E-01
LEAD													
MERCURY	2.4E-02	6.8E-02	9.0E-03	5.7E-04	3.6E-03	2.4E-03	6.0E-04	3.0E-04	1.2E-03	3.0E-04	6.0E-04	1.8E-03	6.0E-04
MOLYBDENUM	7.9E-04	1.2E-03			5.3E-04	6.6E-04	7.9E-04	7.9E-04	5.3E-04	1.0E-03	1.4E-03	8.9E-04	1.4E-03
NICKEL	7.6E-03	1.2E-02			7.6E-03	1.4E-02	1.3E-02	6.5E-03	8.8E-03	1.6E-02	5.6E-03	1.0E-02	8.2E-03
VANADIUM	3.8E-02	9.1E-02			3.4E-02	5.4E-02	8.6E-02	5.1E-02	3.7E-02	1.0E-01	4.9E-02	4.6E-02	4.1E-02
HEXAVALENT CHROMIUM	4.0E-03	1.8E-03			3.5E-03	5.5E-03	1.1E-02	5.1E-03	4.0E-03	1.0E-02	1.4E-02	5.3E-03	5.0E-03
TOTAL HAZRD INDEX	2.5E-01	1.4E+00	9.0E-03	5.7E-04	2.5E-01	5.3E-01	6.6E-01	3.2E-01	3.3E-01	5.6E-01	4.7E-01	3.5E-01	2.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469	SB-470	SB-471	SB-472	SB-473
SAMPLE ID	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	4.3E-04	1.7E-04	4.5E-05	1.9E-04	4.7E-05	4.5E-05	4.5E-05	4.5E-05	2.3E-03	9.9E-05	8.9E-05	8.9E-05
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	4.3E-04	1.7E-04	4.5E-05	1.9E-04	4.7E-05	4.5E-05	4.5E-05	4.5E-05	2.3E-03	9.9E-05	8.9E-05	8.9E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	5.4E-03	2.1E-03	5.7E-04	2.4E-03	6.0E-04	5.7E-04	5.7E-04	5.7E-04	2.9E-02	1.3E-03	1.1E-03	1.1E-03
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	5.4E-03	2.1E-03	5.7E-04	2.4E-03	6.0E-04	5.7E-04	5.7E-04	5.7E-04	2.9E-02	1.3E-03	1.1E-03	1.1E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-474	SB-475	SB-476	SB-477	SB-478	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485
SAMPLE ID	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102
SAMPLE DATE	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	4.7E-05	4.5E-05	4.5E-05	4.5E-05	4.2E-05	4.5E-05	4.5E-05	1.7E-04	3.0E-04	2.5E-04	1.3E-04	4.5E-05
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	4.7E-05	4.5E-05	4.5E-05	4.5E-05	4.2E-05	4.5E-05	4.5E-05	1.7E-04	3.0E-04	2.5E-04	1.3E-04	4.5E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	6.0E-04	5.7E-04	5.7E-04	5.7E-04	5.4E-04	5.7E-04	5.7E-04	2.1E-03	3.8E-03	3.2E-03	1.7E-03	5.7E-04
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	6.0E-04	5.7E-04	5.7E-04	5.7E-04	5.4E-04	5.7E-04	5.7E-04	2.1E-03	3.8E-03	3.2E-03	1.7E-03	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-486	SB-487	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20071029	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	2	2	1	2	1	2	1	2	1	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
LEAD											
MERCURY	4.5E-05	4.5E-05	4.5E-05	1.6E-04	4.5E-05	1.8E-04	1.1E-04	1.6E-04	1.4E-04	1.5E-03	1.2E-04
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZRD INDEX	4.5E-05	4.5E-05	4.5E-05	1.6E-04	4.5E-05	1.8E-04	1.1E-04	1.6E-04	1.4E-04	1.5E-03	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
LEAD											
MERCURY	5.7E-04	5.7E-04	5.7E-04	2.0E-03	5.7E-04	2.3E-03	1.4E-03	2.0E-03	1.7E-03	1.8E-02	1.5E-03
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZRD INDEX	5.7E-04	5.7E-04	5.7E-04	2.0E-03	5.7E-04	2.3E-03	1.4E-03	2.0E-03	1.7E-03	1.8E-02	1.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8	H-SB-282RE-9
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.7E-06	5.2E-07	6.3E-07	3.7E-06	1.9E-06	6.2E-07	3.6E-07	1.0E-07	2.5E-07	1.2E-05
NAPHTHALENE										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.7E-06	5.2E-07	6.3E-07	3.7E-06	1.9E-06	6.2E-07	3.6E-07	1.0E-07	2.5E-07	1.2E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	8.1E-05	1.1E-05	1.4E-05	8.0E-05	4.0E-05	1.4E-05	7.9E-06	2.3E-06	5.4E-06	2.7E-04
NAPHTHALENE										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.1E-05	1.1E-05	1.4E-05	8.0E-05	4.0E-05	1.4E-05	7.9E-06	2.3E-06	5.4E-06	2.7E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B
SAMPLE ID	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5	H-SB-282REB-7
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	9	9	3	5	7
BOTTOM DEPTH	3	5	7	9	9	9	3	5	7
INDUSTRIAL									
BAP EQUIVALENT-HALFND	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-08	2.8E-09	2.6E-09
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-08	2.8E-09	2.6E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.6E-07	6.0E-08	5.6E-08
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.6E-07	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D	SB-282D
SAMPLE ID	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3	H-SB-282RED-5
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
INDUSTRIAL									
BAP EQUIVALENT-HALFND	5.7E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.7E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	1.2E-04	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.2E-04	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604
SAMPLE ID	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5
SAMPLE DATE	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	4	3	4	5	6	3	4	5
BOTTOM DEPTH	7	9	3	4	3	4	5	6	3	4	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	1.1E-06	2.6E-09	2.6E-09	2.8E-09	4.6E-08	5.5E-08	2.6E-09	6.7E-07	2.8E-09	1.3E-06
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	1.1E-06	2.6E-09	2.6E-09	2.8E-09	4.6E-08	5.5E-08	2.6E-09	6.7E-07	2.8E-09	1.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	2.3E-05	5.6E-08	5.6E-08	6.0E-08	9.9E-07	1.2E-06	5.6E-08	1.5E-05	6.0E-08	2.7E-05
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	2.3E-05	5.6E-08	5.6E-08	6.0E-08	9.9E-07	1.2E-06	5.6E-08	1.5E-05	6.0E-08	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D
SAMPLE ID	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D
SAMPLE DATE	20090924	20090924	20091109	20091109	20091109	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	5	7	3	5	7	3	3	3
BOTTOM DEPTH	6	7	3	5	7	3	5	7	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.3E-07	2.6E-09	2.8E-09	1.2E-07	2.8E-09	2.6E-09	6.0E-06	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.3E-07	2.6E-09	2.8E-09	1.2E-07	2.8E-09	2.6E-09	6.0E-06	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.4E-06	5.6E-08	6.0E-08	2.6E-06	6.0E-08	5.6E-08	1.3E-04	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.4E-06	5.6E-08	6.0E-08	2.6E-06	6.0E-08	5.6E-08	1.3E-04	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608
SAMPLE ID	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D
SAMPLE DATE	20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	4	3	4	3	4	3	4	4	4
BOTTOM DEPTH	5	7	3	4	3	4	3	4	3	4	4	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.9E-09	2.9E-09	8.1E-08	2.6E-09	8.9E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	9.3E-09	6.1E-09	2.9E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.9E-09	2.9E-09	8.1E-08	2.6E-09	8.9E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	9.3E-09	6.1E-09	2.9E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.4E-08	6.4E-08	1.8E-06	5.6E-08	1.9E-07	5.6E-08	6.0E-08	6.0E-08	6.0E-08	2.0E-07	1.3E-07	6.4E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.4E-08	6.4E-08	1.8E-06	5.6E-08	1.9E-07	5.6E-08	6.0E-08	6.0E-08	6.0E-08	2.0E-07	1.3E-07	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-609	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B	SB-610B	SB-610C
SAMPLE ID	H-SB-609-3	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	5	6	7	3	5	5	5	3
BOTTOM DEPTH	3	4	3	4	5	6	7	3	5	5	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.1E-08	1.6E-07	1.7E-06	2.2E-07	6.8E-08	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.1E-08	1.6E-07	1.7E-06	2.2E-07	6.8E-08	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	3.5E-06	3.6E-05	4.7E-06	1.5E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	3.5E-06	3.6E-05	4.7E-06	1.5E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D
SAMPLE ID	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5
SAMPLE DATE	20091109	20091109	20091109	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	4	5	6	7	3	5	3	5
BOTTOM DEPTH	5	3	5	3	4	5	6	7	3	5	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.5E-06	2.8E-09	3.6E-08	2.8E-09	2.6E-09	1.0E-07	1.1E-06	2.6E-09	2.8E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.6E-09	2.5E-06	2.8E-09	3.6E-08	2.8E-09	2.6E-09	1.0E-07	1.1E-06	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.5E-05	6.0E-08	7.7E-07	6.0E-08	5.6E-08	2.2E-06	2.4E-05	5.6E-08	6.0E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.0E-08	5.6E-08	5.5E-05	6.0E-08	7.7E-07	6.0E-08	5.6E-08	2.2E-06	2.4E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-611D	SB-611D	SB-614	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20091109	20091109	20090925	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	10	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	5	5	10	9	5	10	5	10	5	10	5	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	1.8E-05		5.7E-07	3.3E-06	1.4E-07	3.4E-07	1.4E-07	4.1E-07	1.4E-07	1.4E-07
NAPHTHALENE						1.1E-08						
ARSENIC					1.8E-06	1.5E-06	1.1E-06	3.7E-07	1.5E-06	7.3E-07	1.1E-06	1.5E-06
COBALT					6.2E-09	2.5E-09	5.5E-10	1.8E-09	3.4E-09	2.4E-09	7.0E-09	1.9E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM					1.1E-07	1.1E-07	5.0E-07	4.0E-07	1.1E-07	8.3E-08	8.8E-07	5.7E-07
TOTAL CANCER RISK	2.8E-09	2.8E-09	1.8E-05		2.5E-06	4.9E-06	1.7E-06	1.1E-06	1.7E-06	1.2E-06	2.1E-06	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	4.0E-04		1.2E-05	7.1E-05	3.1E-06	7.5E-06	3.1E-06	9.0E-06	3.1E-06	3.0E-06
NAPHTHALENE						5.7E-08						
ARSENIC					1.4E-05	1.1E-05	8.5E-06	2.8E-06	1.1E-05	5.7E-06	8.5E-06	1.1E-05
COBALT					3.1E-08	1.2E-08	2.7E-09	9.3E-09	1.7E-08	1.2E-08	3.5E-08	9.5E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM					1.7E-06	1.7E-06	7.4E-06	6.0E-06	1.7E-06	1.2E-06	1.3E-05	8.5E-06
TOTAL CANCER RISK	6.0E-08	6.0E-08	4.0E-04		2.8E-05	8.4E-05	1.9E-05	1.6E-05	1.6E-05	1.6E-05	2.5E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND		6.5E-07	6.9E-07	6.8E-07	8.1E-07	6.8E-07	4.9E-06	3.1E-06	7.6E-07	2.2E-06	6.9E-07
NAPHTHALENE					1.1E-08		5.2E-08	2.0E-08		4.8E-09	
ARSENIC	1.3E-06	1.9E-06	2.9E-07	2.7E-06	9.7E-07	3.5E-07	9.0E-07	9.5E-07	9.9E-08	1.4E-07	9.9E-07
COBALT	1.5E-09	9.1E-10	1.9E-09	4.2E-09	1.9E-09	4.0E-09	1.8E-09	1.7E-09	4.1E-10	6.8E-10	7.5E-10
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	5.1E-07	5.4E-07	1.1E-06	7.4E-07	8.0E-07	6.7E-07	8.6E-07	7.4E-07	2.5E-06	1.5E-06	3.5E-07
TOTAL CANCER RISK	1.8E-06	3.1E-06	2.1E-06	4.1E-06	2.6E-06	1.7E-06	6.7E-06	4.8E-06	3.4E-06	3.8E-06	2.0E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND		1.4E-05	1.5E-05	1.5E-05	1.8E-05	1.5E-05	1.1E-04	6.7E-05	1.7E-05	4.8E-05	1.5E-05
NAPHTHALENE					5.5E-08		2.6E-07	1.0E-07		2.4E-08	
ARSENIC	1.0E-05	1.5E-05	2.3E-06	2.1E-05	7.6E-06	2.7E-06	7.0E-06	7.4E-06	7.7E-07	1.1E-06	7.7E-06
COBALT	7.7E-09	4.6E-09	9.6E-09	2.1E-08	9.6E-09	2.0E-08	9.3E-09	8.7E-09	2.1E-09	3.4E-09	3.8E-09
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	7.6E-06	8.1E-06	1.6E-05	1.1E-05	1.2E-05	1.0E-05	1.3E-05	1.1E-05	3.7E-05	2.2E-05	5.2E-06
TOTAL CANCER RISK	1.8E-05	3.7E-05	3.4E-05	4.7E-05	3.7E-05	2.8E-05	1.3E-04	8.6E-05	5.5E-05	7.1E-05	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463	SB-463
SAMPLE ID	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708
SAMPLE DATE	20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	2	3	5	7	2	3	5	7
BOTTOM DEPTH	10	5	10	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-07	6.8E-07	6.9E-07	2.6E-09	2.6E-09	2.8E-09	2.8E-09	3.1E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC	6.2E-07	8.8E-07	1.2E-06								
COBALT	4.1E-10	5.9E-10	6.8E-10								
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	2.1E-07	2.6E-07	4.6E-07								
TOTAL CANCER RISK	1.5E-06	1.8E-06	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	3.1E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-05	1.5E-05	1.5E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.8E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC	4.8E-06	6.8E-06	9.7E-06								
COBALT	2.1E-09	3.0E-09	3.4E-09								
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	3.1E-06	3.9E-06	6.9E-06								
TOTAL CANCER RISK	2.3E-05	2.5E-05	3.2E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.8E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466
SAMPLE ID	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469
SAMPLE ID	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622	SB-623	SB-623
SAMPLE ID	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6
SAMPLE DATE	20071023	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	5	6	6	6	5	6	5	6	5	6
BOTTOM DEPTH	6	8	5	6	6	6	5	6	5	6	5	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	7.9E-08	2.6E-09	2.6E-09	2.6E-09	7.5E-08	2.6E-09	1.2E-08	2.6E-09	1.2E-07	1.5E-07
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	7.9E-08	2.6E-09	2.6E-09	2.6E-09	7.5E-08	2.6E-09	1.2E-08	2.6E-09	1.2E-07	1.5E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.7E-06	5.6E-08	5.6E-08	5.6E-08	1.6E-06	5.6E-08	2.7E-07	5.6E-08	2.6E-06	3.3E-06
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.7E-06	5.6E-08	5.6E-08	5.6E-08	1.6E-06	5.6E-08	2.7E-07	5.6E-08	2.6E-06	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-815	SB-816	SB-816	SB-816
SAMPLE ID	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D
SAMPLE DATE	20100826	20100826	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-09	6.4E-09	6.8E-09	2.5E-06	6.1E-09	3.9E-08	6.8E-09	2.0E-07	6.4E-09	6.5E-09	6.6E-09
NAPHTHALENE	8.4E-11	8.0E-11	8.4E-11	1.2E-09	7.6E-11	8.4E-11	8.4E-11	8.9E-11	8.0E-11	8.1E-11	8.2E-11
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-09	6.5E-09	6.8E-09	2.5E-06	6.1E-09	3.9E-08	6.8E-09	2.0E-07	6.5E-09	6.6E-09	6.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.5E-07	5.4E-05	1.3E-07	8.5E-07	1.5E-07	4.4E-06	1.4E-07	1.4E-07	1.4E-07
NAPHTHALENE	4.3E-10	4.0E-10	4.3E-10	6.1E-09	3.8E-10	4.3E-10	4.3E-10	4.5E-10	4.0E-10	4.1E-10	4.1E-10
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.4E-07	1.5E-07	5.4E-05	1.3E-07	8.5E-07	1.5E-07	4.4E-06	1.4E-07	1.4E-07	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-816	SB-816	SB-816	SB-817	SB-817	SB-817	SB-817	SB-817	SB-817	SB-470	SB-470
SAMPLE ID	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09	SB-470-0203	SB-470-0304
SAMPLE DATE	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	9	2	3
BOTTOM DEPTH	5	7	9	3	5	7	7	7	9	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.8E-08	6.6E-09	2.7E-07	6.4E-09	1.3E-07	6.6E-09	6.6E-09	6.6E-09	6.8E-09	2.6E-09	2.6E-09
NAPHTHALENE	8.2E-11	8.2E-11	8.9E-11	8.0E-11	8.7E-11	8.2E-11	8.2E-11	8.2E-11	8.4E-11		
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.8E-08	6.7E-09	2.8E-07	6.5E-09	1.3E-07	6.7E-09	6.7E-09	6.7E-09	6.8E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.9E-06	1.4E-07	6.0E-06	1.4E-07	2.8E-06	1.4E-07	1.4E-07	1.4E-07	1.5E-07	5.6E-08	5.6E-08
NAPHTHALENE	4.1E-10	4.1E-10	4.5E-10	4.0E-10	4.4E-10	4.1E-10	4.1E-10	4.1E-10	4.3E-10		
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-06	1.4E-07	6.0E-06	1.4E-07	2.8E-06	1.4E-07	1.4E-07	1.4E-07	1.5E-07	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472	SB-472	SB-472	SB-473
SAMPLE ID	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	7.3E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	7.3E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	1.6E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	1.6E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475
SAMPLE ID	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708
SAMPLE DATE	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.8E-09	1.1E-07	1.7E-06	2.4E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.8E-09	1.1E-07	1.7E-06	2.4E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.0E-08	2.3E-06	3.7E-05	5.3E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.0E-08	2.3E-06	3.7E-05	5.3E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.9E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.9E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.4E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.4E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-478	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481	SB-481
SAMPLE ID	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.5E-07
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484
SAMPLE ID	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486
SAMPLE ID	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	1.5E-07	2.6E-09	2.6E-09	2.6E-09	6.6E-07	6.8E-07	7.1E-07	6.8E-07
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	1.5E-07	2.6E-09	2.6E-09	2.6E-09	6.6E-07	6.8E-07	7.1E-07	6.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	3.2E-06	5.6E-08	5.6E-08	5.6E-08	1.4E-05	1.5E-05	1.5E-05	1.5E-05
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	3.2E-06	5.6E-08	5.6E-08	5.6E-08	1.4E-05	1.5E-05	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-487	SB-487	SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
INDUSTRIAL								
BAP EQUIVALENT-HALFND	6.9E-07	6.6E-07	6.8E-07	6.8E-07	6.4E-07	6.6E-07	6.9E-07	6.8E-07
NAPHTHALENE								
ARSENIC								
COBALT								
LEAD								
MERCURY								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL CANCER RISK	6.9E-07	6.6E-07	6.8E-07	6.8E-07	6.4E-07	6.6E-07	6.9E-07	6.8E-07
RESIDENTIAL								
BAP EQUIVALENT-HALFND	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05
NAPHTHALENE								
ARSENIC								
COBALT								
LEAD								
MERCURY								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL CANCER RISK	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282	SB-282	SB-283
SAMPLE ID	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405	SB-282-0910	SB-283-0405
SAMPLE DATE	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026	20051026	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.5E-05	3.3E-04	7.0E-07	1.3E-06	1.3E-06	1.3E-06	1.5E-06	1.3E-06	3.8E-06	3.8E-06	3.8E-06
ARSENIC	1.1E-02	9.1E-03	6.8E-03	2.3E-03	9.1E-03	4.6E-03	6.8E-03	9.1E-03	8.0E-03	1.2E-02	1.8E-03
COBALT	5.0E-02	2.0E-02	4.5E-03	1.5E-02	2.8E-02	1.9E-02	5.7E-02	1.5E-02	1.2E-02	7.4E-03	1.6E-02
LEAD											
MERCURY	9.4E-05	4.7E-05	1.1E-03	8.0E-04			9.4E-05	1.4E-04	2.4E-05	2.4E-05	2.4E-05
VANADIUM	5.1E-03	5.9E-03	3.8E-03	2.8E-03	5.8E-03	4.4E-03	5.4E-03	4.3E-03	3.0E-03	3.8E-03	2.3E-03
HEXAVALENT CHROMIUM	2.0E-04	2.0E-04	9.2E-04	7.4E-04	2.0E-04	1.5E-04	1.6E-03	1.1E-03	9.5E-04	1.0E-03	2.0E-03
TOTAL HAZARD INDEX	6.7E-02	3.6E-02	1.7E-02	2.2E-02	4.3E-02	2.8E-02	7.1E-02	3.0E-02	2.4E-02	2.4E-02	2.2E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.6E-04	1.5E-03	3.3E-06	6.2E-06	6.2E-06	5.9E-06	7.0E-06	5.9E-06	1.8E-05	1.8E-05	1.8E-05
ARSENIC	2.3E-01	1.8E-01	1.4E-01	4.6E-02	1.8E-01	9.2E-02	1.4E-01	1.8E-01	1.6E-01	2.4E-01	3.7E-02
COBALT	1.2E+00	4.7E-01	1.1E-01	3.6E-01	6.5E-01	4.6E-01	1.4E+00	3.6E-01	2.9E-01	1.8E-01	3.7E-01
LEAD											
MERCURY	1.2E-03	6.0E-04	1.4E-02	1.0E-02			1.2E-03	1.8E-03	3.0E-04	3.0E-04	3.0E-04
VANADIUM	1.2E-01	1.4E-01	8.9E-02	6.8E-02	1.4E-01	1.0E-01	1.3E-01	1.0E-01	7.1E-02	9.0E-02	5.4E-02
HEXAVALENT CHROMIUM	1.8E-03	1.8E-03	8.1E-03	6.5E-03	1.8E-03	1.4E-03	1.4E-02	9.3E-03	8.4E-03	8.9E-03	1.8E-02
TOTAL HAZARD INDEX	1.5E+00	8.0E-01	3.6E-01	4.9E-01	9.8E-01	6.5E-01	1.6E+00	6.6E-01	5.4E-01	5.2E-01	4.8E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293	SB-293	SB-294	SB-294
SAMPLE ID	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910
SAMPLE DATE	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028	20051028	20051028	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	4	9	4	9	4	9
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06	3.1E-04	6.3E-06	1.5E-03	5.8E-04	1.5E-05	1.4E-04	7.5E-06	3.8E-06	3.8E-06	3.8E-06
ARSENIC	1.7E-02	6.0E-03	2.2E-03	5.6E-03	5.9E-03	6.2E-04	8.8E-04	6.2E-03	3.9E-03	5.5E-03	7.8E-03
COBALT	3.4E-02	1.6E-02	3.3E-02	1.5E-02	1.4E-02	3.3E-03	5.6E-03	6.1E-03	3.3E-03	4.8E-03	5.6E-03
LEAD											
MERCURY	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	9.4E-05	2.4E-05	4.7E-05	2.4E-05
VANADIUM	5.1E-03	4.9E-03	3.4E-03	3.9E-03	4.7E-03	2.7E-03	6.3E-04	3.2E-03	1.5E-03	2.0E-03	2.9E-03
HEXAVALENT CHROMIUM	1.4E-03	1.5E-03	1.3E-03	1.6E-03	1.4E-03	4.6E-03	2.8E-03	6.5E-04	3.8E-04	4.8E-04	8.5E-04
TOTAL HAZARD INDEX	5.8E-02	2.8E-02	3.9E-02	2.8E-02	2.7E-02	1.1E-02	1.0E-02	1.6E-02	9.2E-03	1.3E-02	1.7E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05	1.5E-03	2.9E-05	7.0E-03	2.7E-03	7.0E-05	6.5E-04	3.5E-05	1.8E-05	1.8E-05	1.8E-05
ARSENIC	3.4E-01	1.2E-01	4.4E-02	1.1E-01	1.2E-01	1.2E-02	1.8E-02	1.2E-01	7.9E-02	1.1E-01	1.6E-01
COBALT	8.1E-01	3.7E-01	7.7E-01	3.6E-01	3.3E-01	7.9E-02	1.3E-01	1.4E-01	7.9E-02	1.1E-01	1.3E-01
LEAD											
MERCURY	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	1.2E-03	3.0E-04	6.0E-04	3.0E-04
VANADIUM	1.2E-01	1.2E-01	8.0E-02	9.4E-02	1.1E-01	6.5E-02	1.5E-02	7.5E-02	3.6E-02	4.7E-02	6.9E-02
HEXAVALENT CHROMIUM	1.2E-02	1.3E-02	1.1E-02	1.4E-02	1.2E-02	4.1E-02	2.4E-02	5.7E-03	3.4E-03	4.2E-03	7.5E-03
TOTAL HAZARD INDEX	1.3E+00	6.2E-01	9.0E-01	5.8E-01	5.8E-01	2.0E-01	1.9E-01	3.5E-01	2.0E-01	2.8E-01	3.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464
SAMPLE ID	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	9.9E-04	4.5E-05	4.9E-05	4.7E-05	3.0E-04	4.9E-05	4.9E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.9E-04	4.5E-05	4.9E-05	4.7E-05	3.0E-04	4.9E-05	4.9E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	1.3E-02	5.7E-04	6.3E-04	6.0E-04	3.8E-03	6.3E-04	6.3E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-02	5.7E-04	6.3E-04	6.0E-04	3.8E-03	6.3E-04	6.3E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	5	6
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	5	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05		
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05		
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04		
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04		

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814
SAMPLE ID	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	5	6	5	6	5	6	3	5	7	9
BOTTOM DEPTH	6	6	5	6	5	6	5	6	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE									2.4E-06	2.3E-06	2.4E-06	3.5E-05
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX									2.4E-06	2.3E-06	2.4E-06	3.5E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE									1.1E-05	1.1E-05	1.1E-05	1.6E-04
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX									1.1E-05	1.1E-05	1.1E-05	1.6E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-815	SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-03	H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03
SAMPLE DATE	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.2E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.2E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-817	SB-817	SB-817	SB-817	SB-817	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471
SAMPLE ID	H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304
SAMPLE DATE	20100827	20100827	20100827	20100827	20100827	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	2	3	5	7	2	3
BOTTOM DEPTH	5	7	7	7	9	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06						
ARSENIC											
COBALT											
LEAD											
MERCURY						1.1E-04	8.9E-05	9.4E-05	9.4E-05	9.9E-05	9.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	1.1E-04	8.9E-05	9.4E-05	9.4E-05	9.9E-05	9.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05						
ARSENIC											
COBALT											
LEAD											
MERCURY						1.4E-03	1.1E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-03	1.1E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-471	SB-471	SB-472	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474
SAMPLE ID	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	9.4E-05	9.4E-05	8.9E-05	9.4E-05	9.4E-05	9.4E-05	8.9E-05	9.4E-05	1.0E-04	9.9E-05	1.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.4E-05	9.4E-05	8.9E-05	9.4E-05	9.4E-05	9.4E-05	8.9E-05	9.4E-05	1.0E-04	9.9E-05	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.3E-03	1.3E-03	1.5E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.3E-03	1.3E-03	1.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-474	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0304	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708
SAMPLE DATE	20071024	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.5E-04	4.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.9E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-04	4.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.9E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.7E-03	5.4E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.3E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-03	5.4E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.3E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479
SAMPLE ID	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.9E-05	4.9E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.9E-05	4.9E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.3E-04	6.3E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.3E-04	6.3E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.5E-05	9.9E-04	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.5E-05	9.9E-04	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.7E-04	5.7E-04	5.7E-04	6.0E-04	5.7E-04	1.3E-02	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	5.7E-04	6.0E-04	5.7E-04	1.3E-02	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485
SAMPLE ID	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.7E-05	1.6E-04	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.7E-05	1.6E-04	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	6.0E-04	2.1E-03	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	6.0E-04	2.1E-03	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
NAPHTHALENE				
ARSENIC				
COBALT				
LEAD				
MERCURY	4.5E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
NAPHTHALENE				
ARSENIC				
COBALT				
LEAD				
MERCURY	5.7E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14	H-SB-282RE-15
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.3E-07	5.7E-07	2.9E-06	4.9E-08	4.1E-07	2.8E-09	5.4E-08	5.1E-06	1.8E-08	2.8E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.3E-07	5.7E-07	2.9E-06	4.9E-08	4.1E-07	2.8E-09	5.4E-08	5.1E-06	1.8E-08	2.8E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	5.0E-06	1.2E-05	6.4E-05	1.1E-06	9.0E-06	6.0E-08	1.2E-06	1.1E-04	4.0E-07	6.0E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.0E-06	1.2E-05	6.4E-05	1.1E-06	9.0E-06	6.0E-08	1.2E-06	1.1E-04	4.0E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13	H-SB-282REC-15	H-SB-282RED-11
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.8E-09	1.4E-06	1.1E-07	1.7E-07	1.3E-06	2.8E-09	7.4E-06	4.3E-06	1.0E-06	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	1.4E-06	1.1E-07	1.7E-07	1.3E-06	2.8E-09	7.4E-06	4.3E-06	1.0E-06	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	6.0E-08	3.1E-05	2.5E-06	3.6E-06	2.8E-05	6.0E-08	1.6E-04	9.4E-05	2.2E-05	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	3.1E-05	2.5E-06	3.6E-06	2.8E-05	6.0E-08	1.6E-04	9.4E-05	2.2E-05	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE	SB-596	SB-596	SB-597	SB-597
SAMPLE ID	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12
SAMPLE DATE	20091110	20091110	20090925	20090925	20090925	20090925	20090925	20090929	20090929	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	12	11	12	15	11	12	11	12
BOTTOM DEPTH	13	15	11	12	11	12	15	11	12	11	12
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	7.8E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	5.7E-08	2.8E-09	9.1E-09	4.5E-07	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	5.7E-08	2.8E-09	9.1E-09	4.5E-07	2.6E-09	2.8E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.7E-05	5.6E-08	5.6E-08	5.6E-08	2.5E-06	1.2E-06	6.0E-08	2.0E-07	9.8E-06	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-05	5.6E-08	5.6E-08	5.6E-08	2.5E-06	1.2E-06	6.0E-08	2.0E-07	9.8E-06	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-598	SB-598	SB-599	SB-599	SB-612	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614
SAMPLE ID	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12
SAMPLE DATE	20090929	20090929	20090929	20090929	20090928	20090928	20090928	20090928	20090928	20090928	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	12	11	11	11	12	11	12	11	12
BOTTOM DEPTH	11	12	11	12	11	11	11	12	11	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	5.1E-08	1.2E-07	3.3E-08	2.0E-07	3.7E-07	2.8E-09	3.1E-07	1.5E-07	1.2E-07	3.5E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	5.1E-08	1.2E-07	3.3E-08	2.0E-07	3.7E-07	2.8E-09	3.1E-07	1.5E-07	1.2E-07	3.5E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	1.1E-06	2.7E-06	7.1E-07	4.4E-06	8.1E-06	6.0E-08	6.7E-06	3.2E-06	2.6E-06	7.5E-06
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	1.1E-06	2.7E-06	7.1E-07	4.4E-06	8.1E-06	6.0E-08	6.7E-06	3.2E-06	2.6E-06	7.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-615	SB-615	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618	SB-618
SAMPLE ID	H-SB-615-11	H-SB-615-12	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11	H-SB-618-12
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	11	11	12	11	11	11	12	11	12
BOTTOM DEPTH	11	12	11	11	11	12	11	11	11	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	3.9E-08	7.4E-08	4.0E-07	2.1E-07	1.4E-08	2.6E-09	2.8E-09	2.3E-08	4.4E-08	5.4E-08	2.6E-09	9.9E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.9E-08	7.4E-08	4.0E-07	2.1E-07	1.4E-08	2.6E-09	2.8E-09	2.3E-08	4.4E-08	5.4E-08	2.6E-09	9.9E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	8.5E-07	1.6E-06	8.8E-06	4.5E-06	2.9E-07	5.6E-08	6.0E-08	5.0E-07	9.5E-07	1.2E-06	5.6E-08	2.2E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.5E-07	1.6E-06	8.8E-06	4.5E-06	2.9E-07	5.6E-08	6.0E-08	5.0E-07	9.5E-07	1.2E-06	5.6E-08	2.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	13	15	11	13	15	11	11	13	15
BOTTOM DEPTH	11	12	11	13	15	11	13	15	11	11	13	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	6.9E-09	1.7E-07	5.7E-08	5.4E-08	9.3E-07	6.9E-09	7.0E-07	6.8E-09	6.8E-09	6.8E-09
NAPHTHALENE			8.7E-11	8.9E-11	8.4E-11	8.4E-11	4.3E-10	8.7E-11	8.4E-11	8.4E-11	8.4E-11	8.4E-11
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	7.0E-09	1.7E-07	5.7E-08	5.4E-08	9.3E-07	7.0E-09	7.0E-07	6.8E-09	6.8E-09	6.8E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.5E-07	3.6E-06	1.2E-06	1.2E-06	2.0E-05	1.5E-07	1.5E-05	1.5E-07	1.5E-07	1.5E-07
NAPHTHALENE			4.4E-10	4.5E-10	4.3E-10	4.3E-10	2.2E-09	4.4E-10	4.3E-10	4.3E-10	4.3E-10	4.3E-10
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.5E-07	3.6E-06	1.2E-06	1.2E-06	2.0E-05	1.5E-07	1.5E-05	1.5E-07	1.5E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.5E-06	2.6E-06	2.4E-06	2.4E-06	1.3E-05	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	2.5E-06	2.6E-06	2.4E-06	2.4E-06	1.3E-05	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	1.2E-05	1.2E-05	1.1E-05	1.1E-05	5.9E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	1.2E-05	1.2E-05	1.1E-05	1.1E-05	5.9E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

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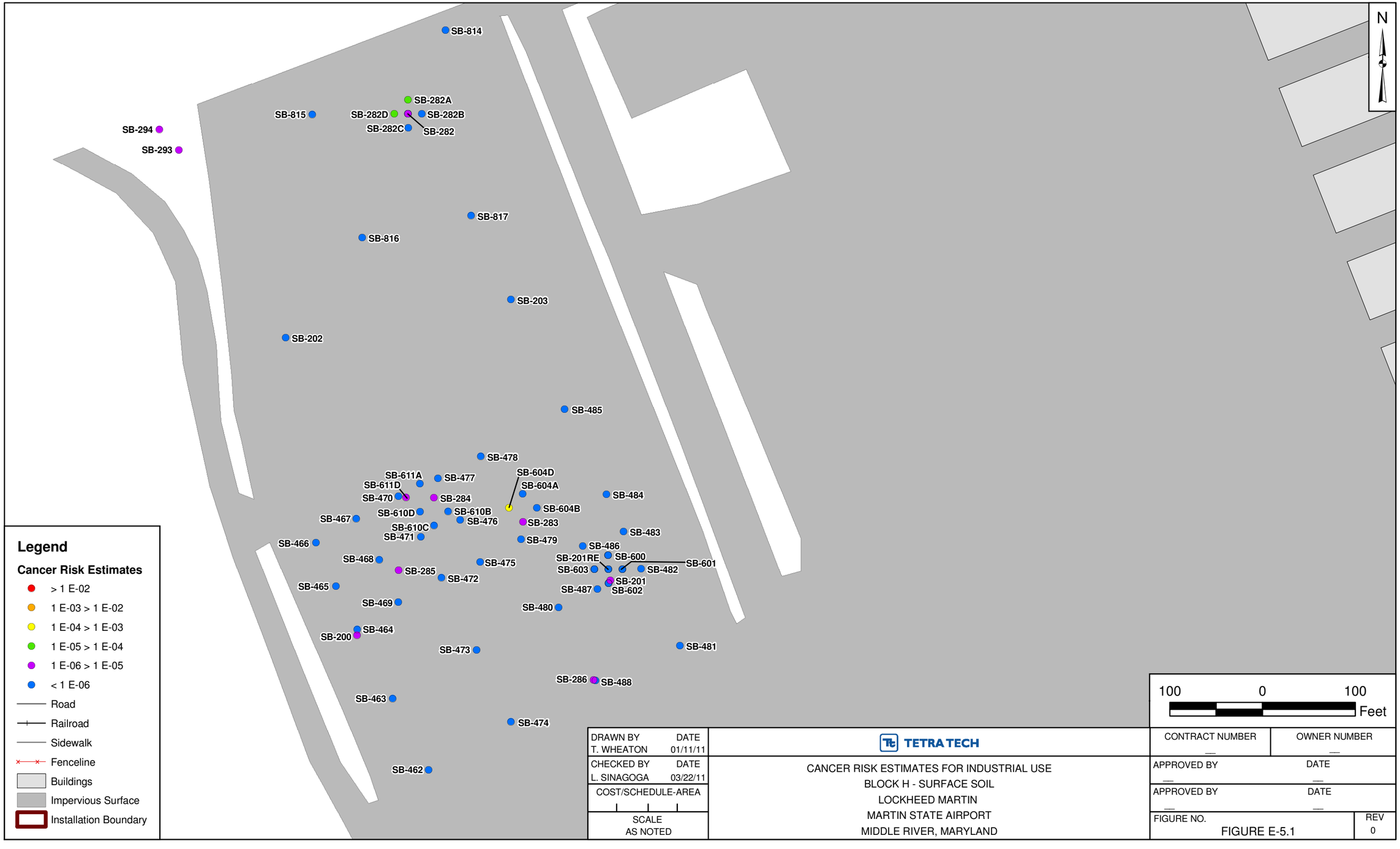

DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.1 / REV 0

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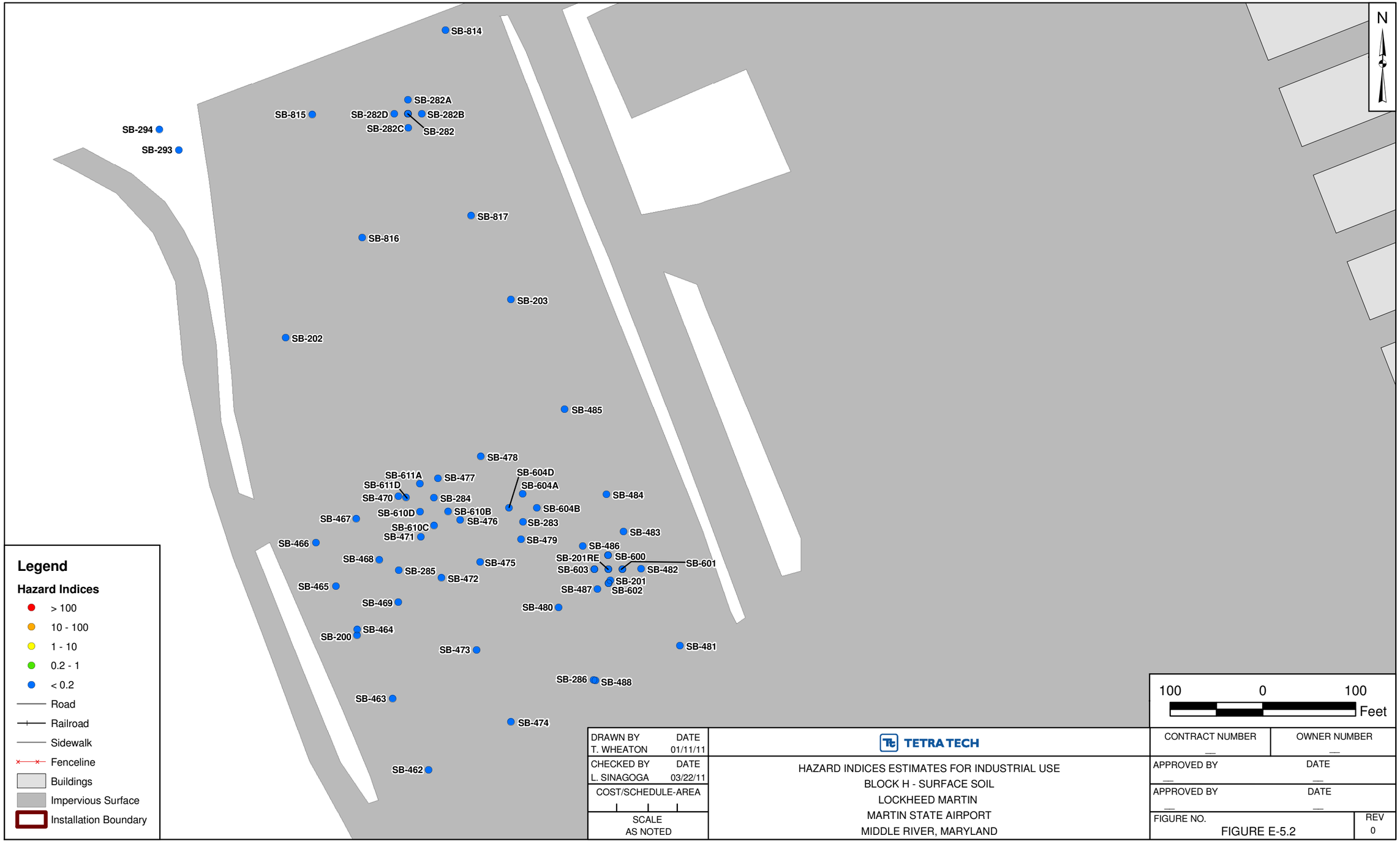
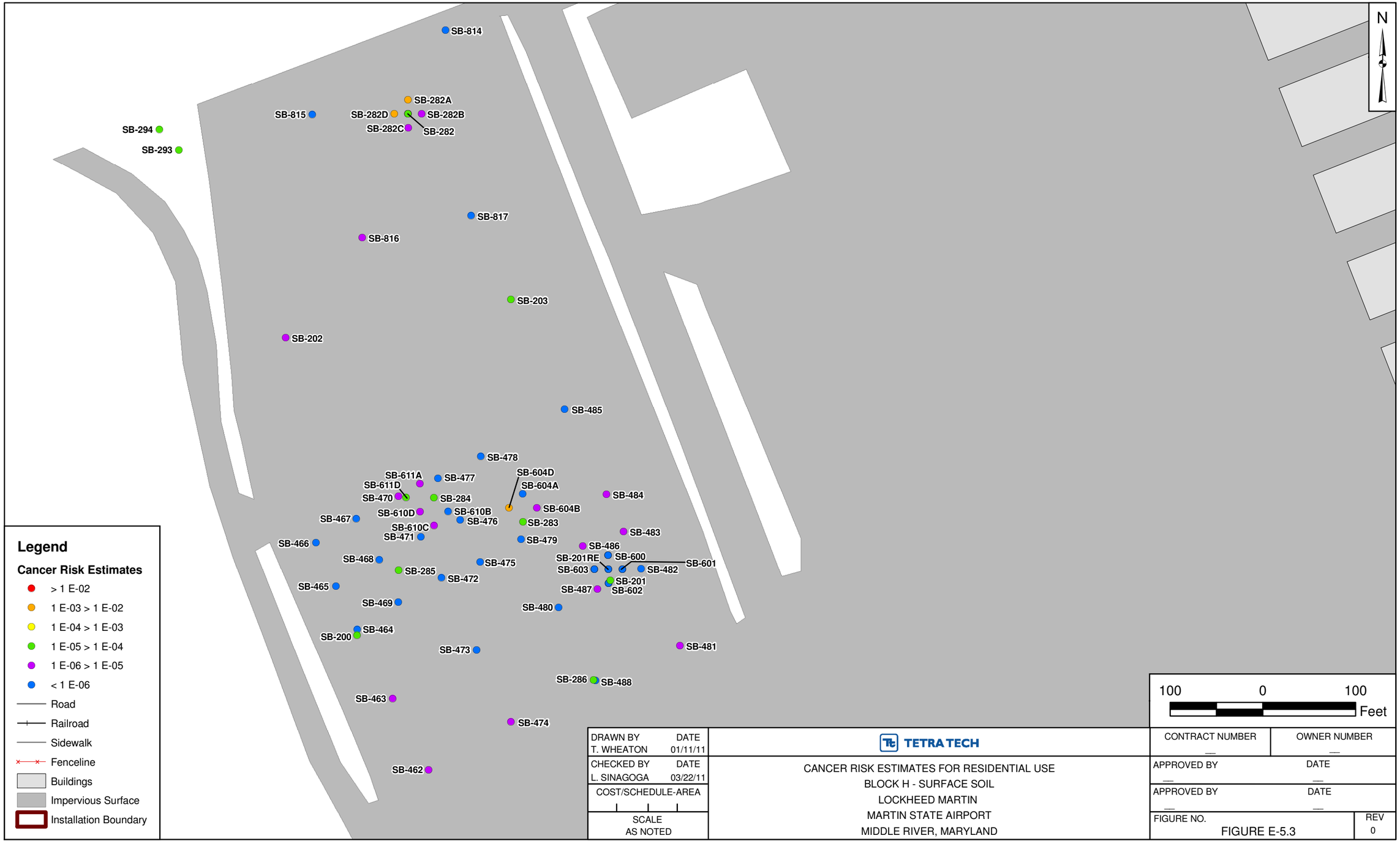


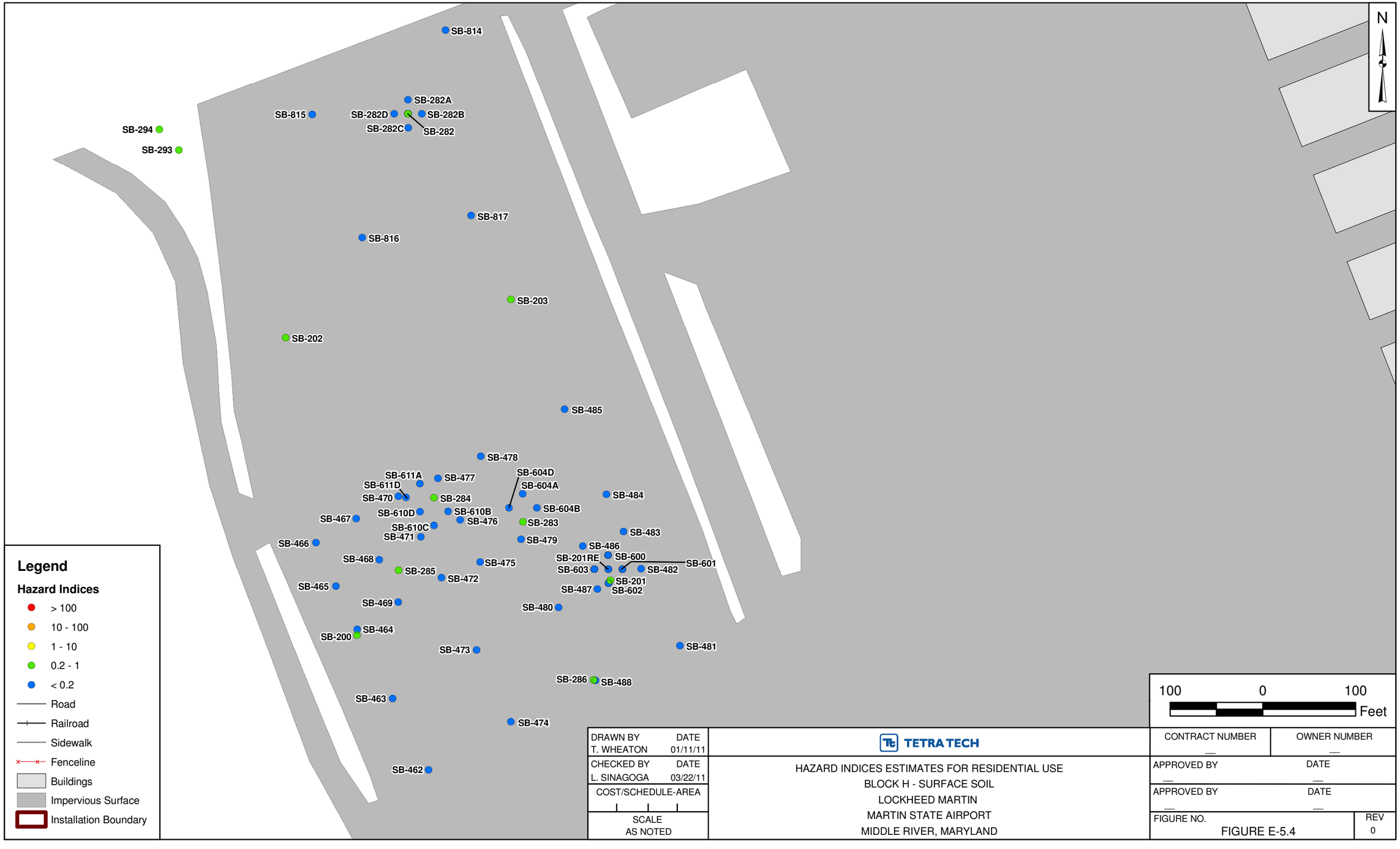
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.2 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.3 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.4 / REV 0

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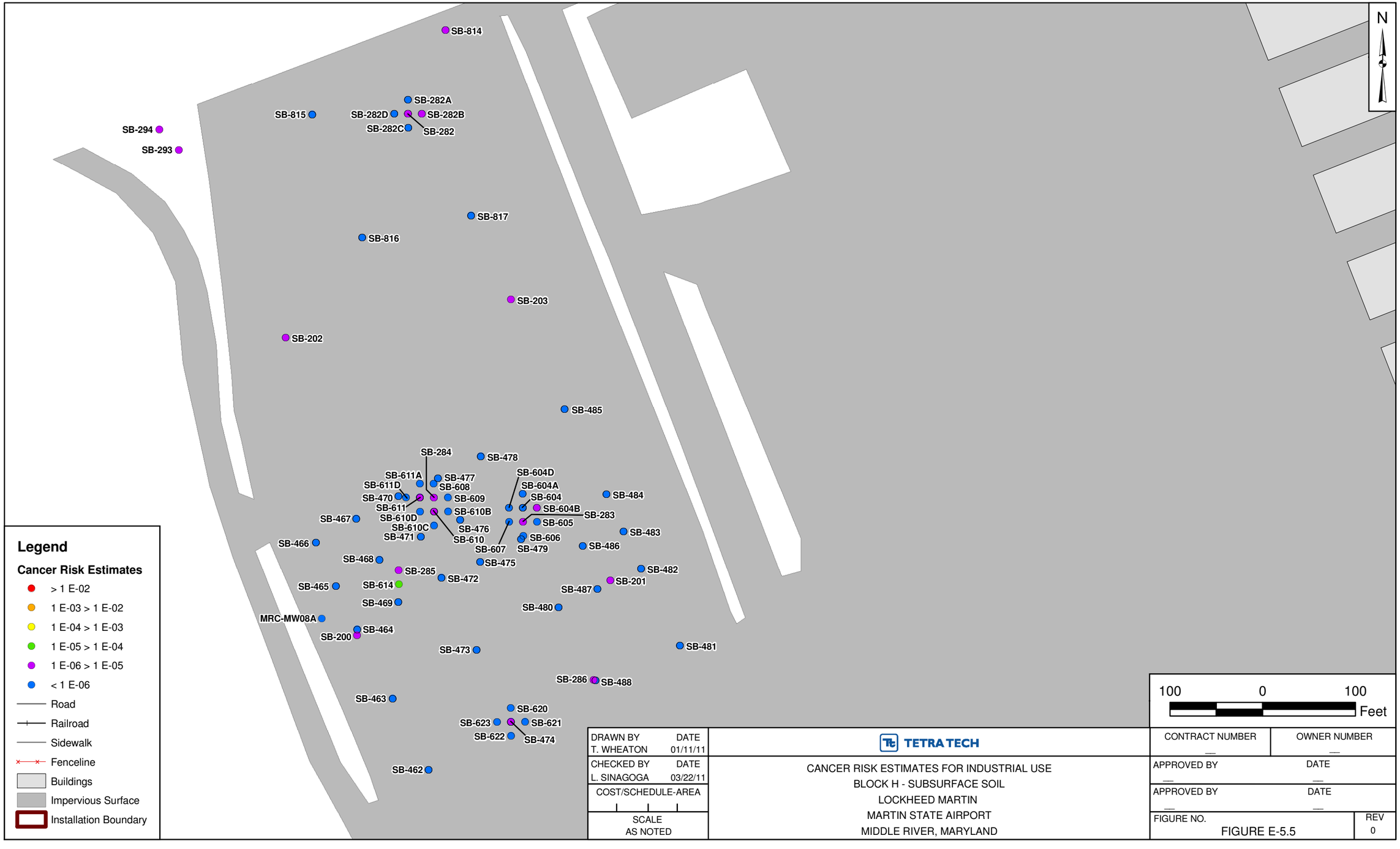

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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.5 / REV 0

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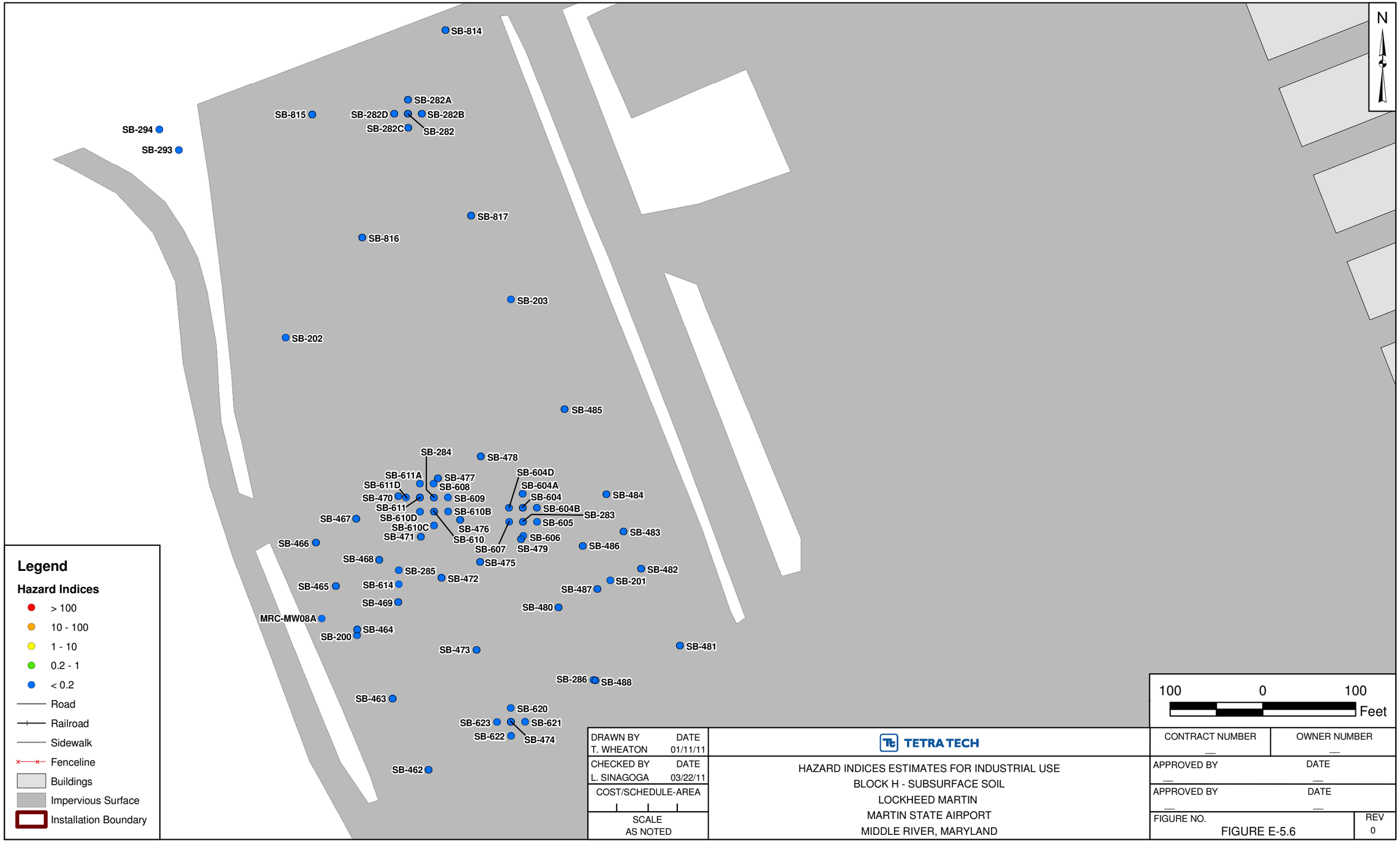

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CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.6 / REV 0

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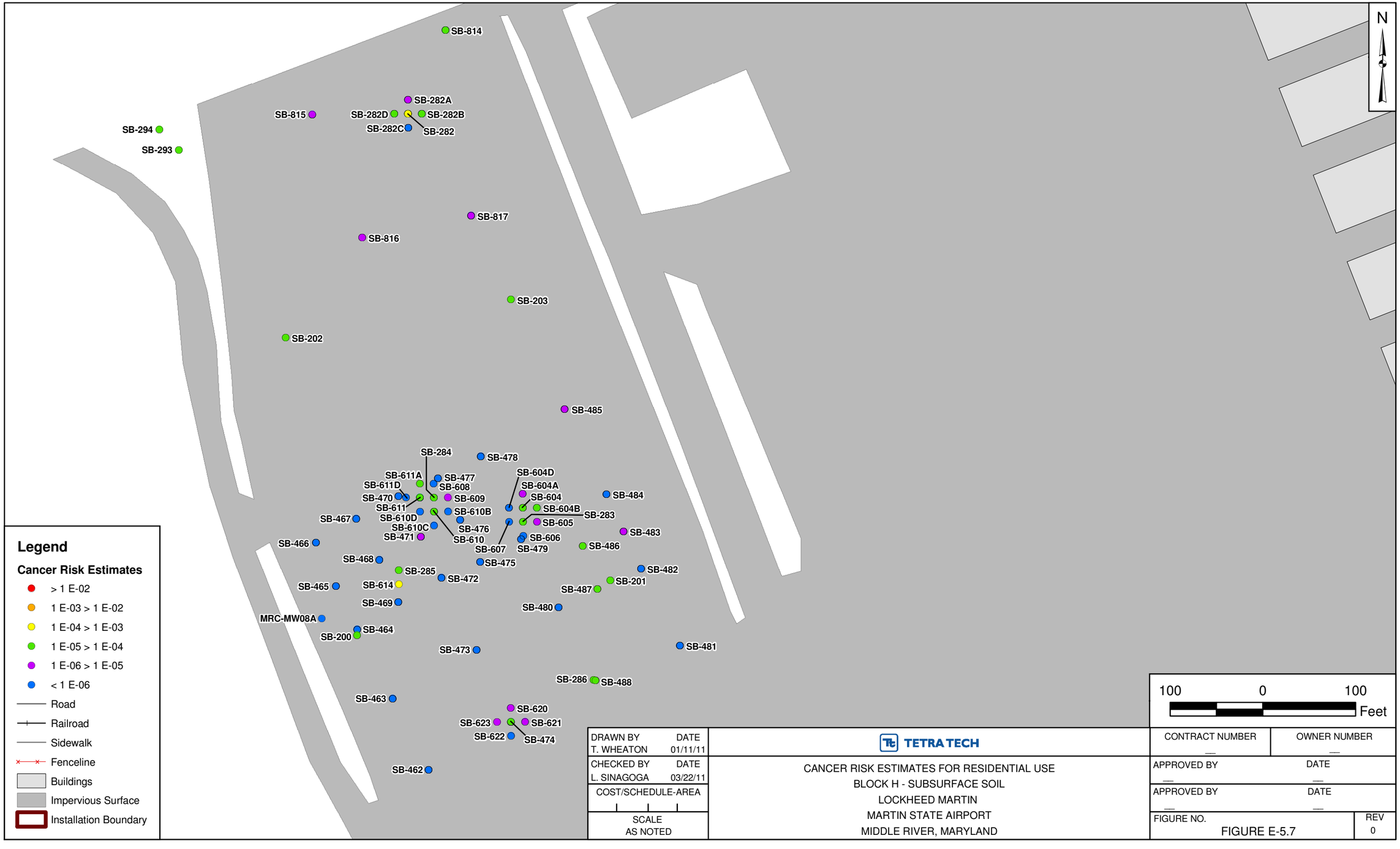

DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.7 / REV 0

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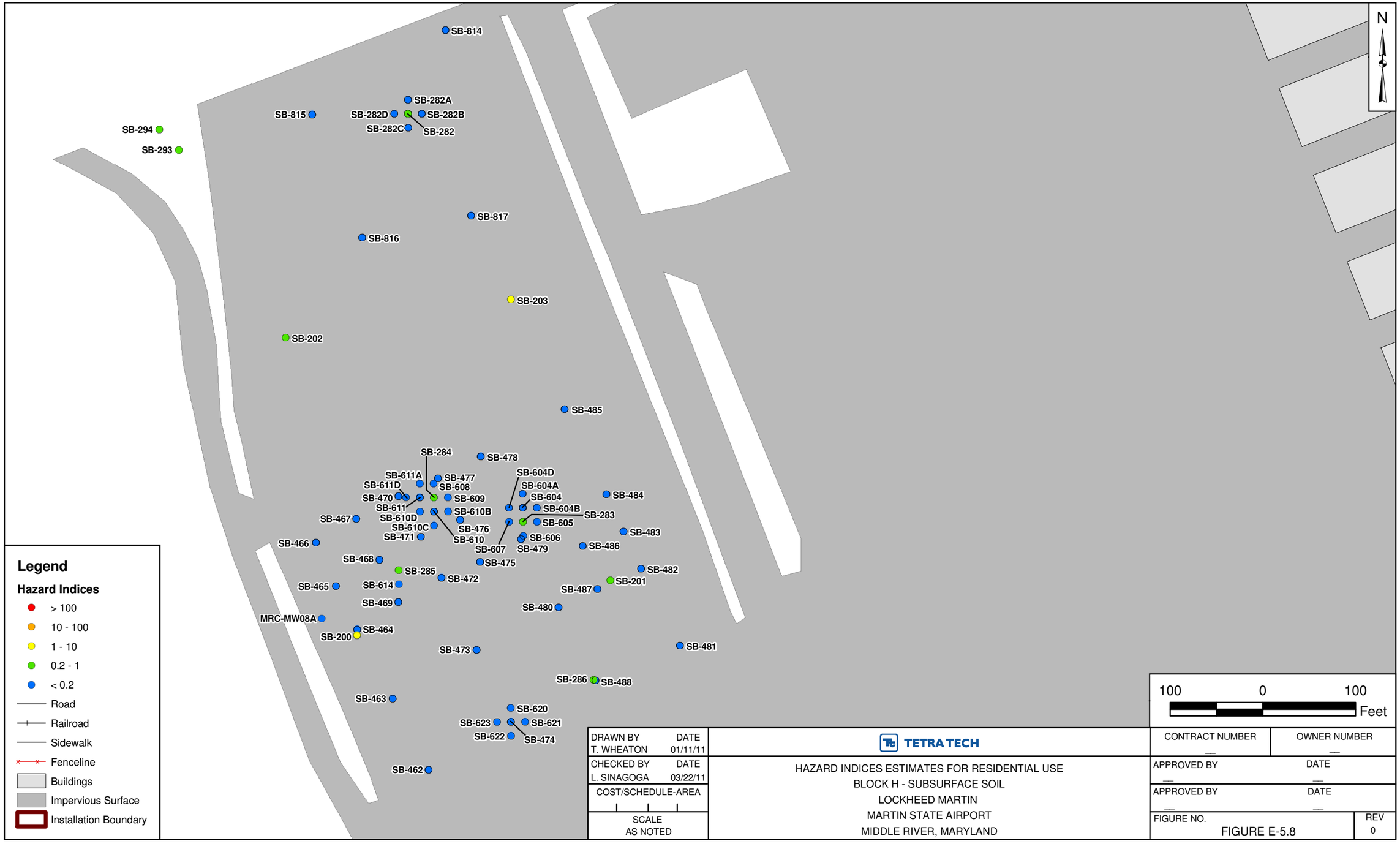

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CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.8 / REV 0

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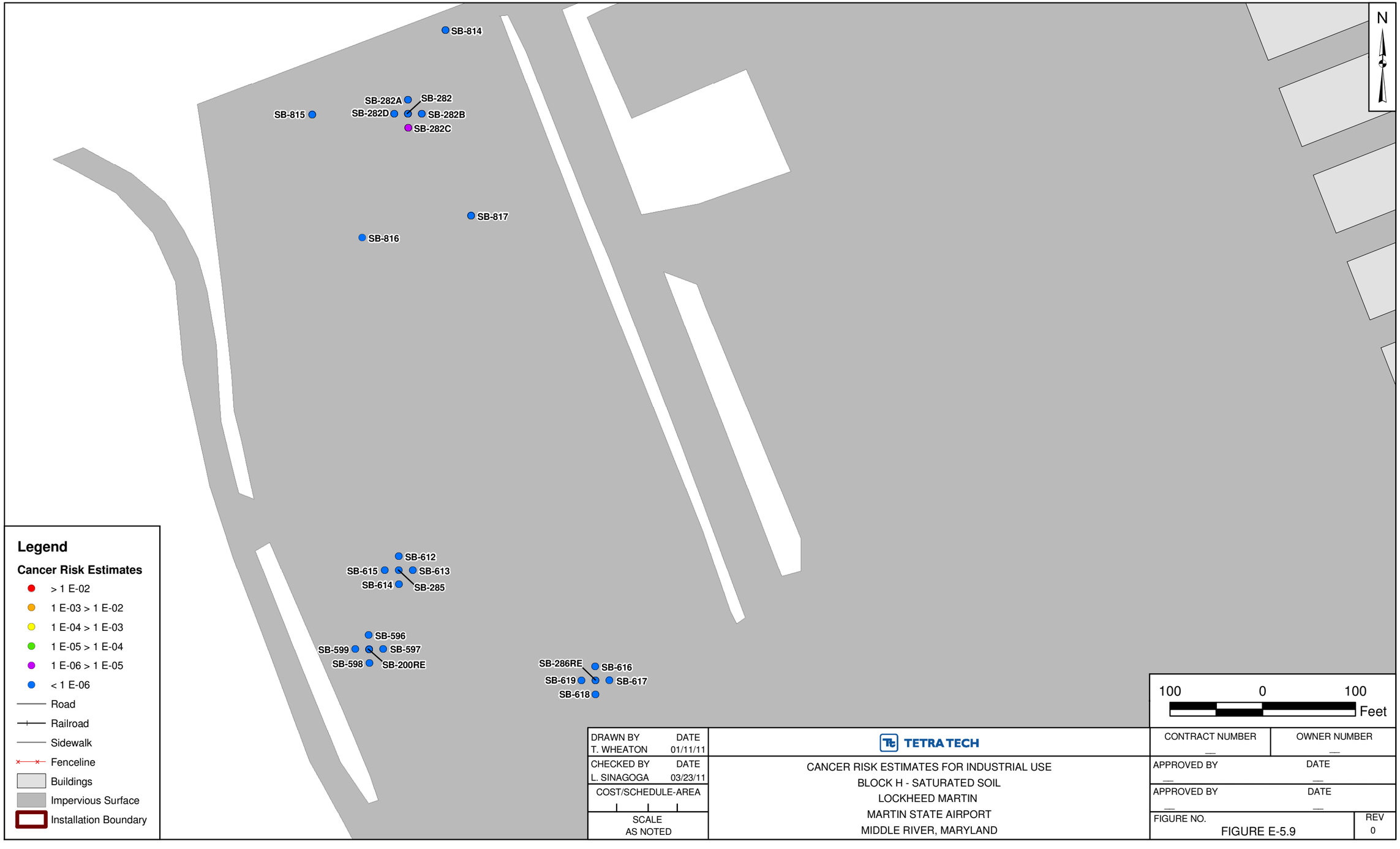

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CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.9 / REV 0

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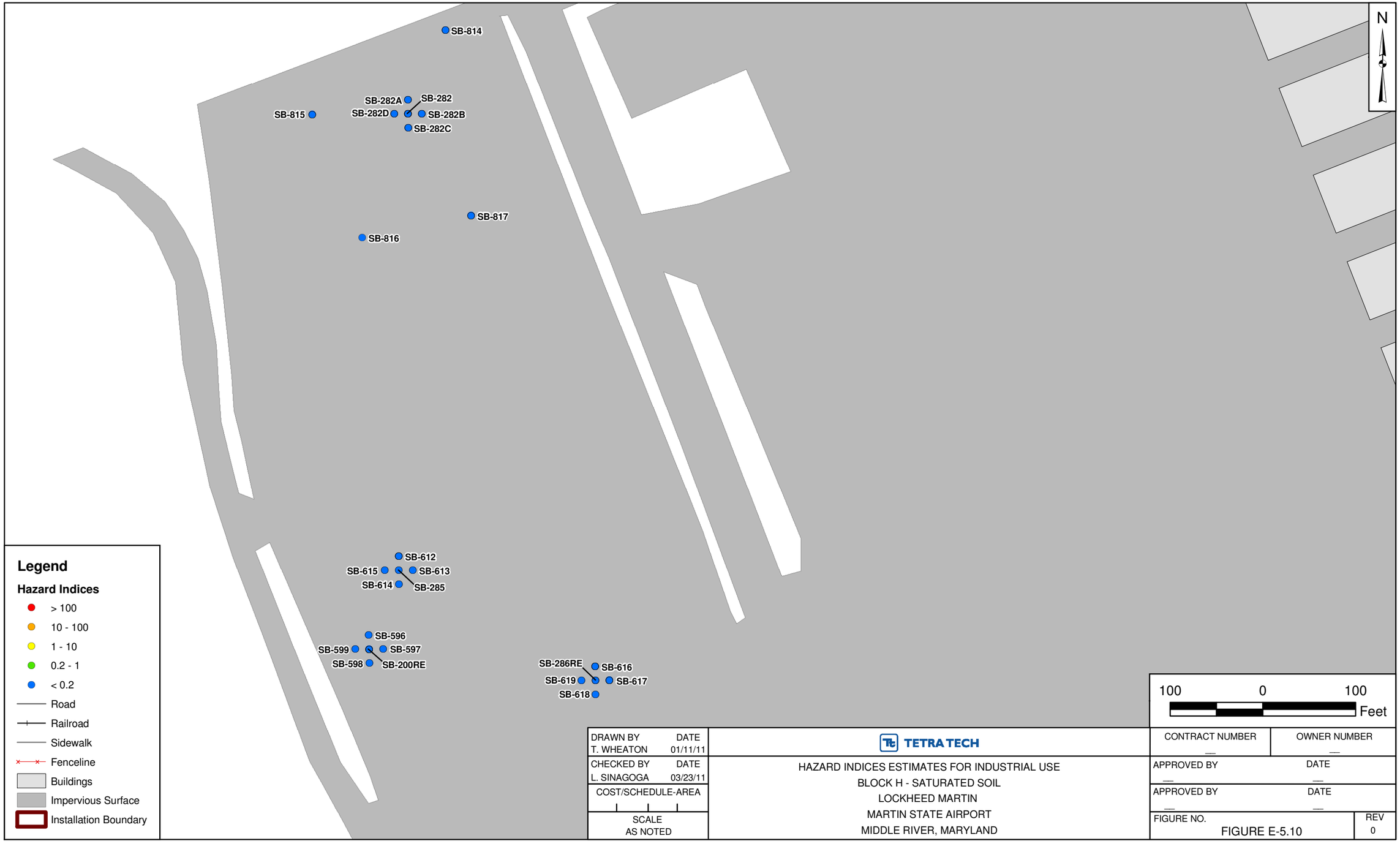

DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.10 / REV 0

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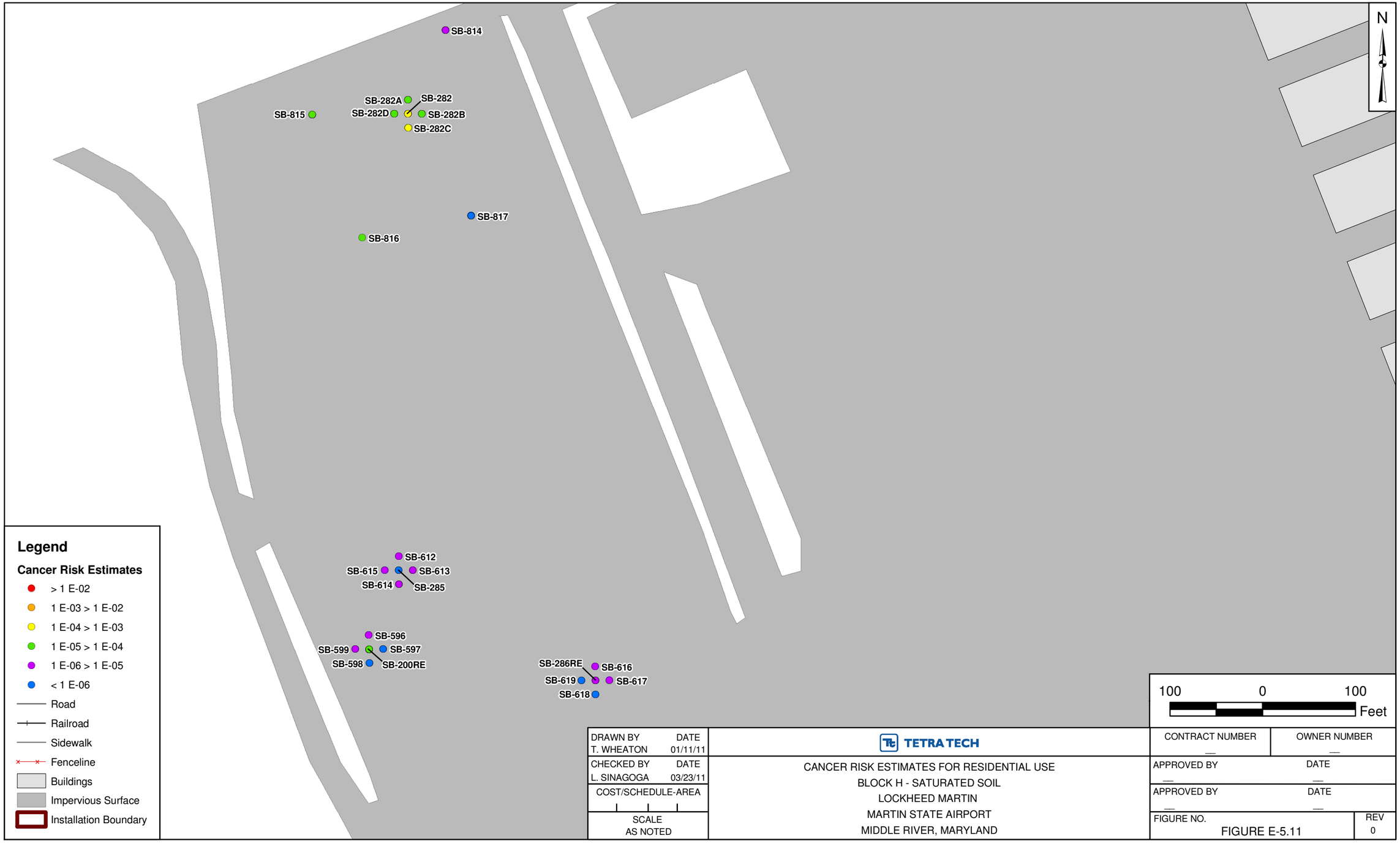

DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.11 / REV 0

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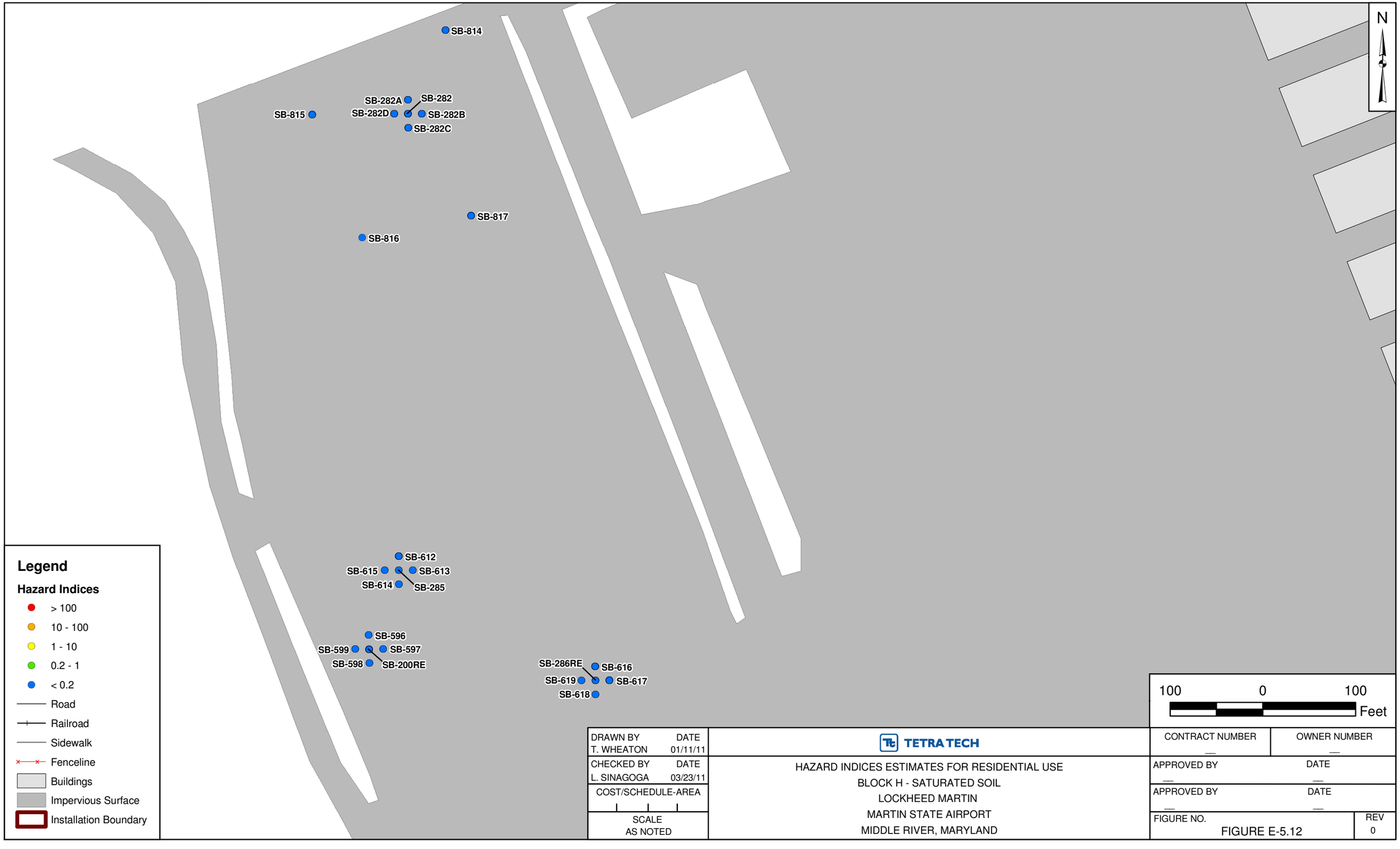

DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.12 / REV 0

SB-059
[15-15] 2.8

SB-067
[15-15] 2.5
[20-20] 1.2 K
[25-25] 0.52 U

SB-062
[15-15] 0.71

SB-058
[15-15] 5.3 L
[20-20] 2.5 L

SB-057
[15-15] 0.66 L

SB-248
[15-15] 2 B

SB-791
[11-11] 3.9 L
[13-13] 2.8 L
[15-15] 8.2 L

SB-065
[15-15] 0.57 UL
[20-20] 0.57 U

SB-786
[11-11] 2.5
[13-13] 1.3
[15-15] 0.88 L

SB-782
[11-11] 3.9 J
[13-13] 4.6 J
[15-15] 2.6 J

SB-788
[11-11] 5.6
[13-13] 7.5
[15-15] 5.2

SB-783
[11-11] 2.1 J
[13-13] 2.4 J
[15-15] 4.3 J

SB-784
[11-11] 1.3 J
[13-13] 2.5 J
[15-15] 7.2 J

SB-789
[11-11] 2.8
[13-13] 6.8
[15-15] 4.5

SB-787
[11-11] 5 L
[13-13] 5.4 L
[15-15] 1.7 L

SB-796
[11-11] 1.3
[13-13] 0.43 J
[15-15] 7.3

SB-792
[11-11] 3.3 L
[13-13] 5 J
[15-15] 0.65 L

SB-793
[11-11] 4.6 J
[13-13] 2.7 J
[15-15] 2.1 J

SB-794
[11-11] 1.5 J
[13-13] 7 J
[15-15] 2.3 J

SB-795
[11-11] 2.3 J
[13-13] 4.2 J
[15-15] 3.2 J

SB-790
[11-11] 2.1
[13-13] 5
[15-15] 3.3

SB-785
[11-11] 3.2 L
[13-13] 3.1 L
[15-15] 3.8 L

FIGURE D-3A

ARSENIC IN DEEPER SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-061
[5-5] 1.8
[10-10] 0.51 U

SB-060
[5-5] 1 K
[10-10] 2.4

SB-066
[5-5] 1.4
[10-10] 1.5

SB-059
[5-5] 3.9
[10-10] 2.5

SB-032
[5-5] 2.5 L

SB-064
[5-5] 0.79 K

SB-067
[5-5] 1.2 K
[10-10] 1.2 K

SB-063
[5-5] 1.2 K
[10-10] 0.65 U

SB-062
[5-5] 1.7
[10-10] 0.53 U

SB-058
[5-5] 2.3 L
[10-10] 4.1 L

SB-057
[5-5] 0.65 L
[10-10] 1.8 L

SB-031
[5-5] 0.59 UR

SB-247
[5-5] 4
[10-10] 0.8 U

SB-033
[5-5] 4.9 L

SB-248
[5-5] 6
[10-10] 8

SB-249
[5-5] 3 B
[10-10] 7

SB-065
[5-5] 2 L
[10-10] 0.58 UL

SB-786
[3-3] 3.9
[5-5] 7.7
[7-7] 14.3
[9-9] 3.6

SB-782
[3-3] 2.1 J
[5-5] 2.5 J
[7-7] 7.5 J
[9-9] 5 J

SB-787
[3-3] 4.6 L
[5-5] 5.3 L
[7-7] 6.6
[9-9] 6.8 L

SB-783
[3-3] 5 J
[5-5] 6.1 J
[7-7] 9.2 J
[9-9] 1.8 J

SB-788
[3-3] 1.9
[5-5] 5
[7-7] 2.8
[9-9] 4.8

SB-784
[3-3] 3 J
[5-5] 8 J
[7-7] 5.8 J
[9-9] 2.6 J

SB-785
[3-3] 4.6
[5-5] 5.8
[7-7] 3.2
[9-9] 3.6 L

SB-791
[3-3] 5.4 L
[5-5] 3.7 L
[7-7] 7.9 L
[9-9] 5 L

SB-796
[3-3] 3.4
[5-5] 9.4
[7-7] 3.1
[9-9] 4.3

SB-792
[3-3] 5.4 L
[5-5] 4.4 L
[7-7] 2.9 L
[9-9] 3.8 L

SB-793
[3-3] 5.6 L
[5-5] 3.6 L
[7-7] 4.1 L
[9-9] 3.6 J

SB-794
[3-3] 5.5 J
[5-5] 7 J
[7-7] 6.1 J
[9-9] 5.6 J

SB-795
[3-3] 5.8 J
[5-5] 3.9 J
[7-7] 5.7 J
[9-9] 4.4 J

SB-790
[3-3] 4.5
[5-5] 4.9
[7-7] 6.3
[9-9] 4.1

SB-789
[3-3] 3.1
[5-5] 5.5
[7-7] 8.8
[9-9] 4

FIGURE D-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard $1x10^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 3.5 (Residential RGO, $1x10^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, $1x10^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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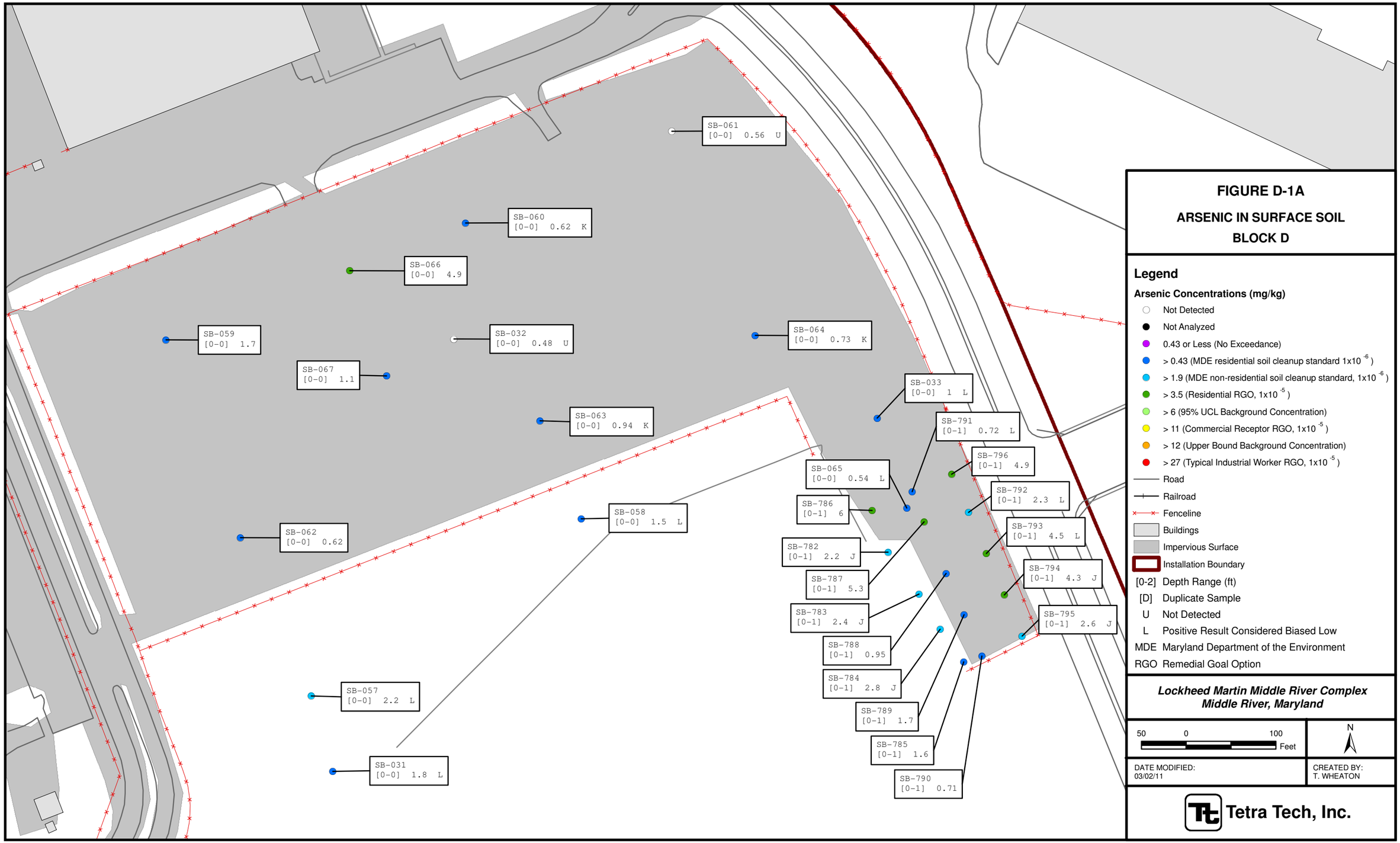

FIGURE D-1A

ARSENIC IN SURFACE SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- L Positive Result Considered Biased Low
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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T. WHEATON

Tetra Tech, Inc.

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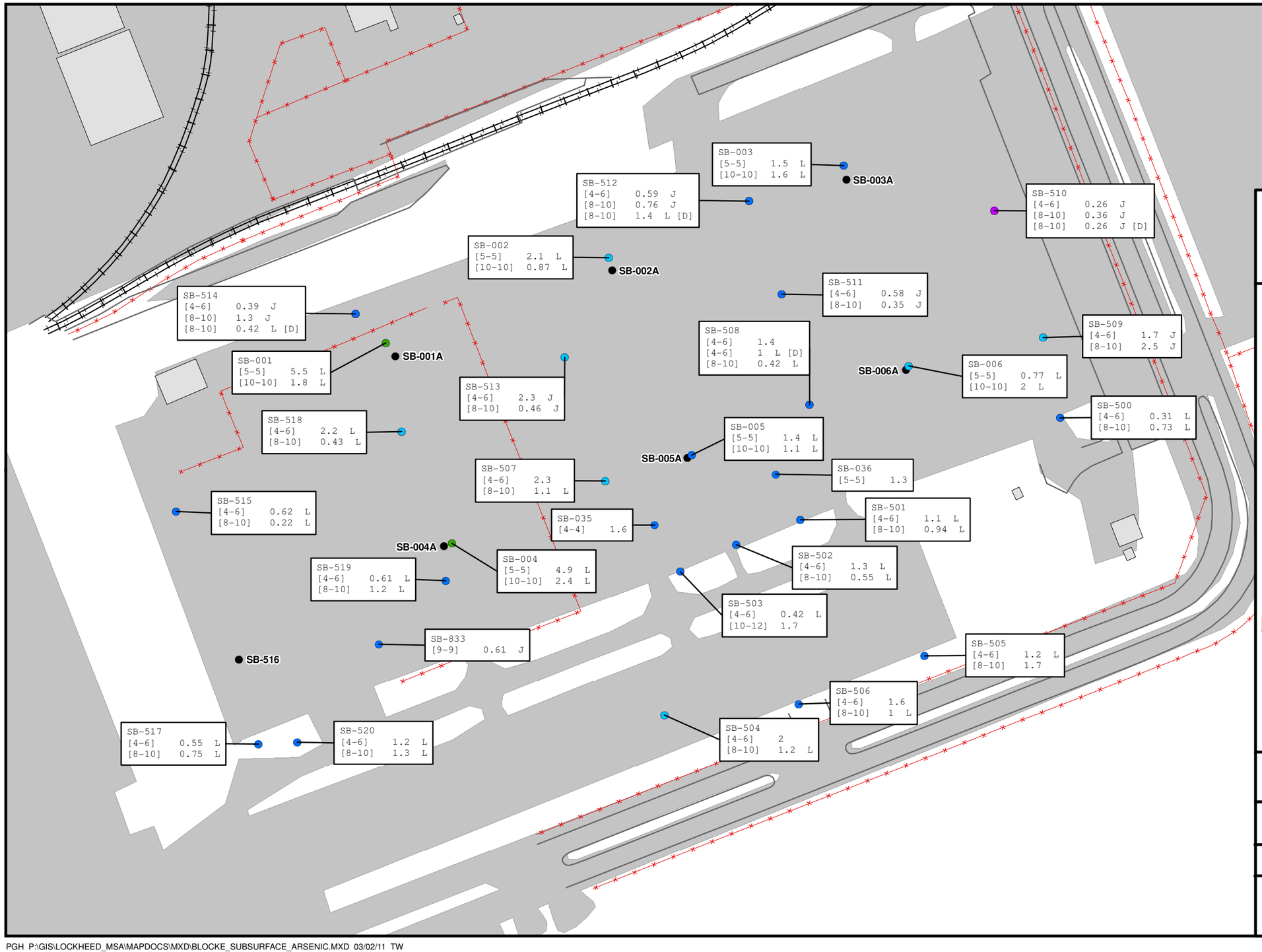

FIGURE E-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK E

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- L Positive Result Considered Biased Low
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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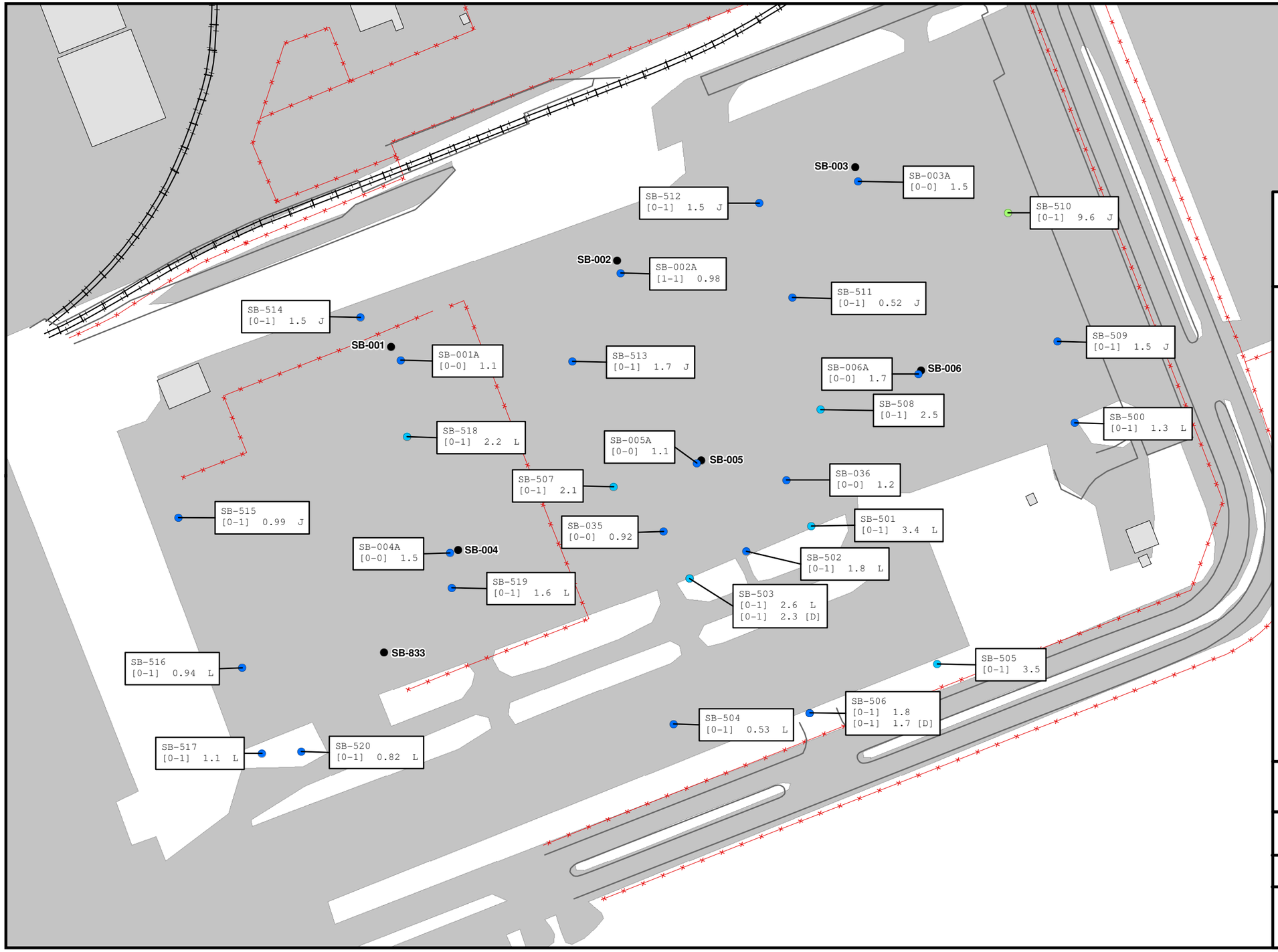

FIGURE E-1A

ARSENIC IN SURFACE SOIL
BLOCK E

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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T. WHEATON

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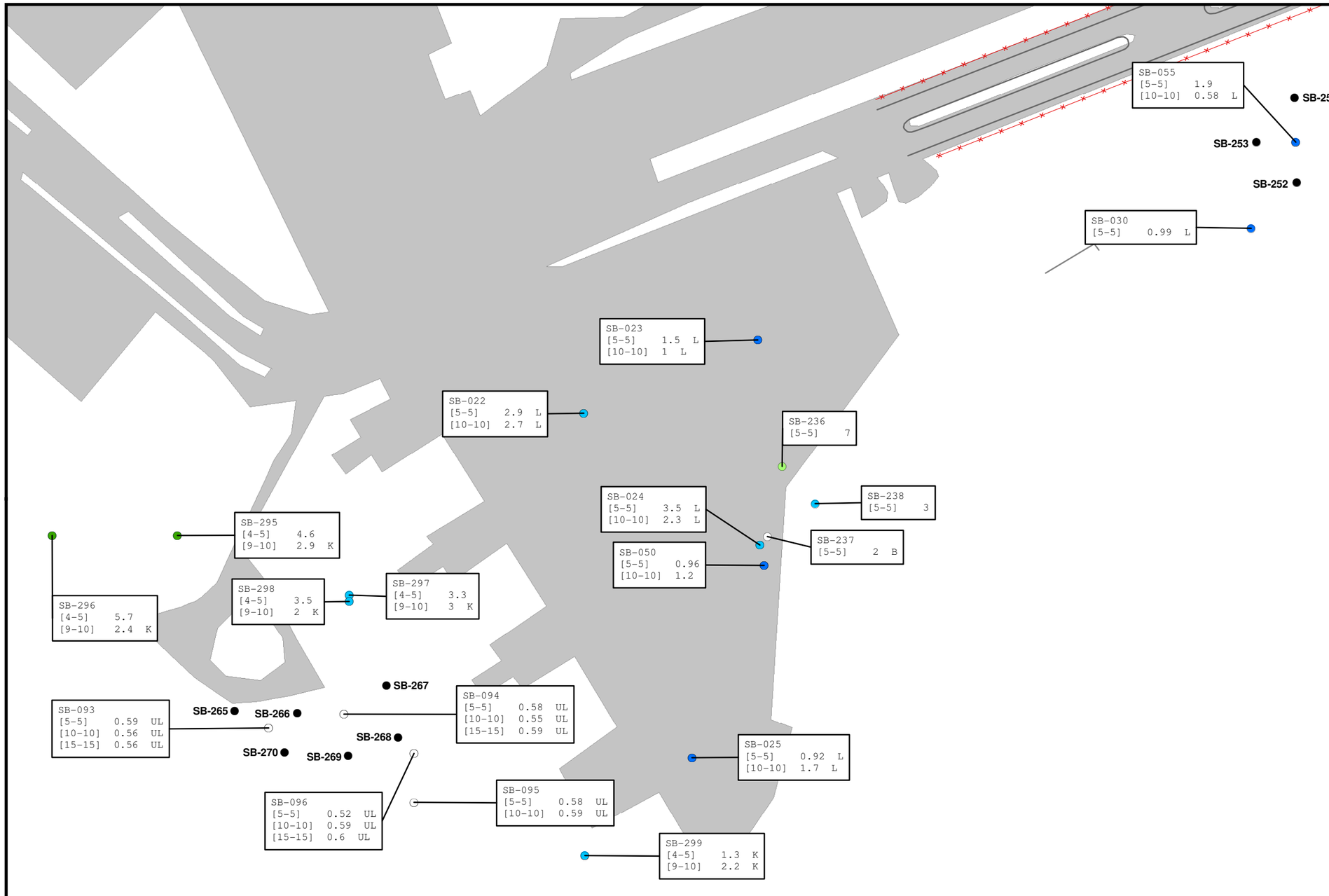

FIGURE F-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK F

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
K Positive Result Considered Biased High
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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03/02/11

CREATED BY:
T. WHEATON

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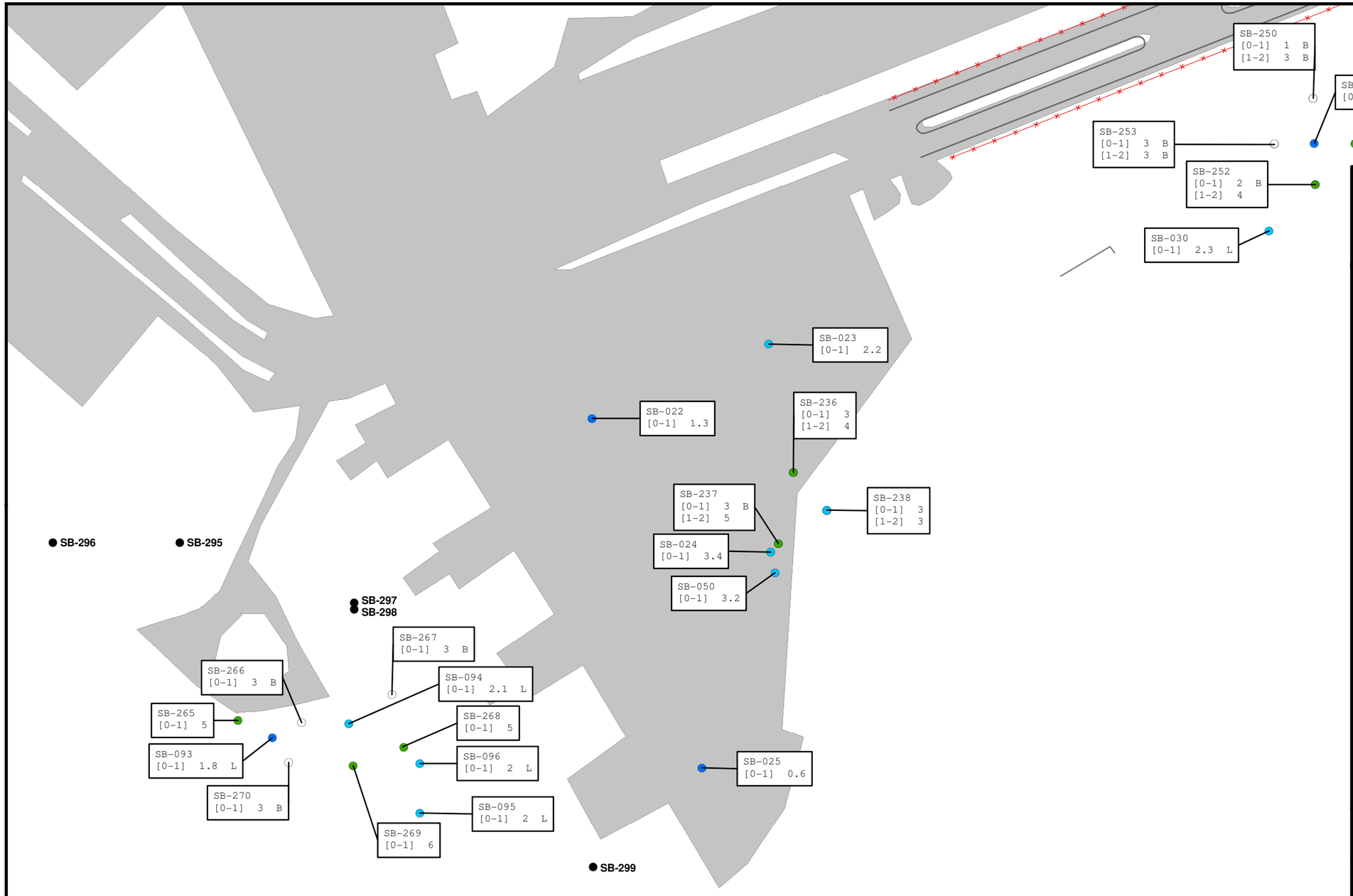

FIGURE F-1A

ARSENIC IN SURFACE SOIL

BLOCK F

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-199
[5-5] 3 B
[10-10] 2 B

SB-198
[5-5] 5 B
[10-10] 6

SB-197
[5-5] 5
[10-10] 5

SB-196
[5-5] 2 B
[10-10] 1 B

SB-195
[5-5] 4
[10-10] 5

SB-194
[5-5] 5
[10-10] 1 B

SB-496

SB-092
[3-3] 2.1
[4-4] 4.1
[4-4] 1.4
[5-5] 3.2
[6-6] 6.9
[7-7] 8.5
[7-7] 5.3 [D]
[8-8] 1.6
[9-9] 8.3
[10-10] 3.2
[11-11] 3.4
[12-12] 2.1
[13-13] 3.7
[14-14] 4.1
[15-15] 5.6

OW-4
[26-26] 0.32 L
[30-30] 0.19 L

OW-5
[4-4] 2.1 L
[6-6] 1.8 L

SB-495

SB-494
SB-461
SB-458
SB-457
SB-459
SB-460

SB-091
[5-5] 2.4

SB-081
[5-5] 2.5

OW-6
[20-20] 1.1 L
[30-30] 0.24 L

SB-082
[5-5] 1.2

SB-083
[5-5] 1.9

SB-085
[5-5] 2.2
[10-10] 0.53 U
[12-12] 0.98

SB-086
[5-5] 0.7
[10-10] 0.61
[12-12] 0.51 U

SB-084
[5-5] 3.4

FIGURE G-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK G

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard $1x10^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 3.5 (Residential RGO, $1x10^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, $1x10^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-198
[0-1] 2 B

SB-199
[0-1] 3 B

SB-197
[0-1] 5

SB-196
[0-1] 1 B

SB-195
[0-1] 2 B

SB-194
[0-1] 2 B

SB-461
[0-0] 0.8 L
[1-2] 2.5 L

SB-458
[0-0] 2.3
[1-2] 2.4

SB-496
[0-0] 1.2 L
[1-2] 1.1 L

SB-092
[0-0] 37
[1-1] 5.4
[2-2] 3.3

SB-494
[0-0] 1.3 L
[1-2] 1.6 L

SB-495
[0-0] 0.92 L
[1-2] 0.92 L

OW-4
OW-6
OW-5

SB-459
[0-0] 0.91 L
[1-2] 1.8 L

SB-457
[0-0] 1.4
[1-2] 1.6

SB-091
[0-0] 2.1

SB-081
[0-0] 3.6

SB-460
[0-0] 0.99 L
[1-2] 1.9 L

SB-082
[0-0] 2

SB-083
[0-0] 0.93

SB-084
[0-0] 2.7

SB-085
[0-0] 3

SB-086
[0-0] 3.2

FIGURE G-1A

ARSENIC IN SURFACE SOIL
BLOCK G

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard $1x10^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 3.5 (Residential RGO, $1x10^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, $1x10^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-294
[4-5] 2.4
[9-10] 3.4

SB-293
[4-5] 2.7
[9-10] 1.7

SB-282
[4-5] 3.5
[9-10] 5.2

SB-203
[5-5] 3
[10-10] 4

SB-202
[5-5] 4
[10-10] 2

SB-284
[4-5] 5.3 B
[9-10] 1.9 B

SB-283
[4-5] 1.6 B
[9-10] 7.4

SB-285
[4-5] 4.9 B
[9-10] 5.2 B

SB-201
[5-5] 3
[10-10] 1

SB-200
[5-5] 5
[10-10] 4

SB-286
[4-5] 0.54 B
[9-10] 0.77 B

FIGURE H-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK H

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
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Middle River, Maryland

50 0 100 Feet

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SB-294
[0-1] 2

SB-293
[1-2] 1.7

SB-282
[1-2] 6.1

SB-203
[0-1] 1

SB-202
[0-1] 0.7

SB-284
[1-2] 1.2 B

SB-283
[1-2] 2 B

SB-285
[1-2] 4.8 B

SB-201
[0-1] 6

SB-200
[0-1] 0.7 U

SB-286
[1-2] 2.8 B

FIGURE H-1A

ARSENIC IN SURFACE SOIL
BLOCK H

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-778
[11-11] 4 U
[13-13] 6217
[15-15] 13.2

SB-061
[11-11] 19.8 [RE]
[12-12] 1.5 U [RE]
[13-13] 181 [RE]
[14-14] 577 [RE]
[15-15] 1.5 U [RE]

SB-061A
[11-11] 168
[13-13] 1.5 U
[15-15] 1.5 U

SB-242

SB-061B
[11-11] 154
[13-13] 1078
[15-15] 15.1

SB-061D
[11-11] 1.5 U
[13-13] 429
[15-15] 45.7

SB-061C
[11-11] 1.5 U
[13-13] 8.2
[15-15] 1.5 U

SB-779
[11-11] 4.2 U
[13-13] 43.1
[15-15] 3.9 U

SB-060
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]
[13-13] 25.6 [RE]
[14-14] 1.5 U [RE]
[15-15] 1.5 U [RE]

SB-060A
SB-060D
SB-060B
SB-060C

SB-772
[11-11] 27.6
[13-13] 77.7
[15-15] 1341

SB-066
[11-11] 43 [RE]
[12-12] 44.7 [RE]
[15-15] 41.8 [RE]

SB-066A
SB-066D
SB-066B
SB-066C

SB-335
SB-334
SB-331
SB-330
SB-328
SB-329
SB-327
SB-332
SB-333

SB-776
[11-11] 88.1
[13-13] 96.8
[15-15] 3.9 U

SB-780
[11-11] 3.8 U
[13-13] 198
[15-15] 24

SB-766
[11-11] 710
[13-13] 121
[15-15] 4.4 U

SB-240A
[11-11] 1.5 U
[13-13] 1.6 U
[15-15] 19.9

SB-775
[11-11] 113
[13-13] 173
[15-15] 4.2 U

SB-241
SB-323
SB-324
SB-322
SB-321
SB-319
SB-320
SB-318
SB-325
SB-326

SB-767
[11-11] 4.1 U
[13-13] 251
[15-15] 4 U

SB-032

SB-240D
[11-11] 284
[11-11] 33 [D]
[13-13] 622
[15-15] 1.6 U

SB-240B
[11-11] 1.7 U
[13-13] 2 U

SB-243A
SB-243D
SB-243B
SB-243C

SB-064

SB-781
[11-11] 3.7 U
[13-13] 129
[15-15] 3.9 U

SB-059
[15-15] 876

SB-240C
[11-11] 1.6 U
[13-13] 57.1
[15-15] 1.9 U

SB-243
[11-11] 1.6 U [RE]
[12-12] 1.6 U [RE]
[13-13] 90.9 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]

SB-240
[11-11] 198 [RE]
[12-12] 41.6 [RE]
[13-13] 337 [RE]
[14-14] 24.4 [RE]
[15-15] 20.9 [RE]

SB-067
[15-15] 410 U
[20-20] 431
[25-25] 410 U

SB-063
[11-11] 1.6 U [RE]
[12-12] 1.5 U [RE]
[13-13] 124 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.5 U [RE]

SB-063A
SB-063D
SB-063B
SB-063C

SB-342
SB-341
SB-033
SB-337
SB-336
SB-344
SB-343
SB-340
SB-339
SB-338

SB-791
[11-11] 3.8 U
[13-13] 3.9 U
[15-15] 4.1 U

SB-768
[11-11] 3.9 U
[13-13] 360
[15-15] 4 U

SB-770
[13-13] 1871
[15-15] 298

SB-239
[11-11] 185
[12-12] 121

SB-773
[11-11] 4.1 U
[13-13] 4.1 U
[15-15] 40.9

D-TP-2

SB-777
[11-11] 19.7
[13-13] 269
[15-15] 3.9 U

SB-065
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]
[13-13] 1.6 U [RE]
[14-14] 1.5 U [RE]
[15-15] 1.6 U [RE]
[20-20] 390 U

SB-787
[11-11] 3.8 U
[13-13] 3.9 U
[15-15] 3.7 U

SB-796
[11-11] 3.8 U
[13-13] 4 U
[15-15] 3.8 U

SB-058A
[12-12] 51.1
[14-14] 1.5 U

SB-058B
[12-12] 2.1 U
[14-14] 498

SB-058D
[12-12] 48.9
[14-14] 49.4

SB-058
[11-11] 4.4 [RE]
[12-12] 1433 [RE]
[13-13] 37 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]
[20-20] 440 U

SB-058C
[12-12] 43.3
[14-14] 263

SB-786
[11-11] 3.8 U
[13-13] 4 U
[15-15] 3.7 U

SB-792
[11-11] 3.8 U
[13-13] 4.1 U
[15-15] 3.8 U

SB-592A
SB-592
SB-592D
SB-592B
SB-595
SB-593
SB-594

SB-062A
[11-11] 147
[11-11] 100 [D]
[13-13] 89.7
[15-15] 9.8

SB-062D
[11-11] 1.5 U
[13-13] 1.5 U
[15-15] 1.5 U

SB-062B
[11-11] 1.5 U
[13-13] 1.5 U
[15-15] 1.5 U

SB-782
[11-11] 3.8 U
[13-13] 1.3
[15-15] 3.8 U

SB-794
[11-11] 3.9 U
[13-13] 4 U
[15-15] 3.9 U

SB-793
[11-11] 3.9 U
[13-13] 3.9 U
[15-15] 4 U

SB-769
[11-11] 4 U
[13-13] 44.1
[15-15] 4 U

D-TP-1

SB-062C
[11-11] 1.5 U
[13-13] 100
[15-15] 1.5 U

SB-062
[11-11] 1.5 U [RE]
[12-12] 1.7 U [RE]
[13-13] 2212 [RE]
[14-14] 72.7 [RE]
[15-15] 479 [RE]

SB-774
[11-11] 96.5
[13-13] 888
[15-15] 499
[15-15] 399 [D]

SB-783
[11-11] 3.9 U
[13-13] 4 U
[15-15] 4 U

SB-788
[11-11] 4 U
[13-13] 4.1 U
[15-15] 3.8 U

SB-784
[11-11] 3.9 U
[13-13] 3.8 U
[15-15] 4.1 U

SB-789
[11-11] 3.9 U
[13-13] 4 U
[15-15] 3.8 U

SB-785
[11-11] 3.9 U
[13-13] 15.8
[15-15] 3.9 U

SB-790
[11-11] 4.1 U
[13-13] 4 U
[15-15] 3.8 U

SB-795
[11-11] 3.9 U
[13-13] 4 U
[15-15] 4 U

SB-771
[11-11] 4 U
[13-13] 4.1 U
[15-15] 4 U

SB-057
[11-11] 1.6 U [RE]
[12-12] 1.6 U [RE]
[13-13] 1.6 U [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]

SB-031

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE D-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK D

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/01/11

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SB-778
[3-3] 3.8 U
[5-5] 133
[7-7] 25
[9-9] 29.6

SB-061
[3-3] 1.3 [RE]
[4-4] 1.6 [RE]
[5-5] 101 [RE]
[6-6] 1.6 U [RE]
[7-7] 1.5 U [RE]
[8-8] 1.6 U [RE]
[9-9] 1.5 U [RE]
[10-10] 346 [RE]

SB-061A
[3-3] 1.5 U
[3-3] 1.6 U [D]
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 47.3

SB-242

SB-060A
[3-3] 361
[3-3] 1343 [D]
[5-5] 18.9
[7-7] 1.5 U

SB-061D
[3-3] 1.6 U
[5-5] 9.5
[7-7] 1.5 U
[9-9] 30.4

SB-061B
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 256

SB-060
[3-3] 1.8 [RE]
[4-4] 26.5 [RE]
[5-5] 2034 [RE]
[6-6] 1.6 U [RE]
[7-7] 1.7 U [RE]
[8-8] 1.7 U [RE]
[8-8] 1.6 U [D][RE]
[9-9] 1.5 U [RE]
[10-10] 1.5 U [RE]

SB-060C
[3-3] 1.6 U
[5-5] 12.8
[7-7] 1.5 U

SB-060B
[3-3] 1.5 U
[5-5] 44
[7-7] 31.9

SB-335
[2-3] 20
[5-6] 13
[8-9] 400 U

SB-061C
[3-3] 1.5 U
[5-5] 13.2
[7-7] 1.5 U
[9-9] 656

SB-779
[3-3] 4 U
[5-5] 72.1
[7-7] 3.8 U
[9-9] 4 U

SB-066
[3-3] 1.5 U [RE]
[4-4] 1.5 U [RE]
[5-5] 46.1 [RE]
[6-6] 44.6 [RE]
[7-7] 1.6 U [RE]
[8-8] 1.5 U [RE]
[8-8] 1.6 U [D][RE]
[10-10] 400 U

SB-060D
[3-3] 203
[5-5] 42.3
[7-7] 1.6 U
[7-7] 1.5 U [D]

SB-334
[2-3] 88
[5-6] 64
[8-9] 30

SB-329
[2-3] 27
[5-6] 410 U
[8-9] 390 U

SB-776
[3-3] 58.8
[5-5] 21.7
[7-7] 3.9 U
[9-9] 70.1
[9-9] 4 U [D]

SB-766
[3-3] 3.6 U
[5-5] 95.6
[7-7] 3.7 U
[9-9] 472

SB-323
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.6 U

SB-320
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-066A
[4-4] 1.5 U

SB-331
[2-3] 20
[5-6] 390 U
[8-9] 400 U

SB-328
[2-3] 170
[5-6] 400 U
[8-9] 35

SB-780
[3-3] 3.7 U
[5-5] 13.3
[7-7] 3.9 U
[9-9] 121

SB-066D
[3-3] 62.2
[4-4] 1.5 U
[4-4] 15.2 [D]

SB-066B
[4-4] 1.7

SB-066C
[4-4] 1.5 U

SB-330
[2-3] 110
[5-6] 110
[8-9] 380 U

SB-332
[2-3] 38
[5-6] 410 U
[8-9] 64

SB-327
[2-3] 130
[5-6] 380 U
[8-9] 390 U

SB-324
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-321
[2-3] 940
[5-6] 1.5 U
[8-9] 1.5 U

SB-243
[3-3] 60.9 [RE]
[4-4] 20.7 [RE]
[5-5] 19.6 [RE]
[6-6] 31.4 [RE]
[7-7] 14.4 [RE]
[8-8] 1.6 U [RE]
[8-8] 2.3 [D] [RE]
[9-9] 1.7 U [RE]
[10-10] 1.6 U [RE]

SB-064
[5-5] 410 U

SB-319
[2-3] 15
[5-6] 1.5 U
[8-9] 1.5 U

SB-241

SB-322
[2-3] 13
[5-6] 1.5 U
[8-9] 1.5 U

SB-333
[2-3] 410 U
[5-6] 380 U
[8-9] 380 U

SB-243A
[4-4] 85.9

SB-341
[2-3] 23
[5-6] 25
[8-9] 38

SB-340
[2-3] 110
[5-6] 30
[8-9] 1.7 U

SB-318
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-326
[2-3] 25
[5-6] 1.5 U
[8-9] 110

SB-240
[3-3] 203 [RE]
[4-4] 135 [RE]
[6-6] 187 [RE]
[7-7] 5503 [RE]
[8-8] 0.99 [RE]
[8-8] 27.6 [D] [RE]
[10-10] 112 [RE]

SB-240A
[3-3] 46
[5-5] 326
[7-7] 2.9
[7-7] 14.5 [D]
[9-9] 1.8

SB-032
[5-5] 216

SB-243D
[4-4] 24.8
[4-4] 16.8 [D]

SB-342
[2-3] 78
[5-6] 17
[8-9] 2.1 U

SB-343
[2-3] 11
[5-6] 1.7 U
[8-9] 1.6 U

SB-059
[5-5] 799
[10-10] 773

SB-240D
[3-3] 48.8
[5-5] 5759
[7-7] 13.2
[9-9] 809

SB-775
[3-3] 3.9 U
[5-5] 274
[7-7] 25.6
[9-9] 3.9 U

SB-063
[3-3] 379 [RE]
[4-4] 157 [RE]
[5-5] 149
[5-5] 8.4 [RE]
[6-6] 1.7 U [RE]
[7-7] 39.7 [RE]
[8-8] 20 [RE]
[9-9] 1.7 U [RE]
[10-10] 1.7 U [RE]

SB-243B
[4-4] 0.86

SB-781
[3-3] 4 U
[5-5] 808
[7-7] 4 U
[9-9] 3.8 U

SB-344
[2-3] 1.6 U
[5-6] 1.6 U
[8-9] 1.8 U

SB-325
[2-3] 72
[5-6] 1.5 U
[8-9] 1.5 U

SB-770
[3-3] 667
[5-5] 4 U
[7-7] 148
[9-9] 4 U

SB-772
[3-3] 3.9 U
[5-5] 4 U
[7-7] 20.1
[9-9] 92.8

SB-240C
[3-3] 108
[3-3] 25.9 [D]
[5-5] 4899
[7-7] 1.5 U
[9-9] 16.3

SB-067
[5-5] 490 U
[10-10] 410 U

SB-063A
[4-4] 10.5
[6-6] 1.5 U

SB-243C
[4-4] 1.7 U

SB-033
[5-5] 696

SB-337
[2-3] 13
[5-6] 700
[8-9] 4200 U

SB-339
[2-3] 14
[5-6] 1.6 U
[8-9] 1.5 U

SB-767
[3-3] 3.8 U
[5-5] 3.9 U
[7-7] 4.4 U
[9-9] 3.9 U

SB-592D
[4-4] 51.6
[6-6] 510
[8-8] 208

SB-592A
[4-4] 14.6
[6-6] 623
[8-8] 239

SB-592
[3-3] 851
[4-4] 931
[5-5] 693
[6-6] 113
[9-9] 4.4
[10-10] 5.8
[10-10] 27.8 [D]

SB-063D
[4-4] 1.6 U
[6-6] 1.5 U

SB-063C
[4-4] 45.5
[6-6] 1.5 U

SB-063B
[4-4] 1.6 U
[6-6] 1.6 U

SB-777
[3-3] 1013
[5-5] 171
[7-7] 4873
[9-9] 197

SB-336
[2-3] 380 U
[5-6] 420 U
[8-9] 24

SB-796
[3-3] 72.8
[5-5] 4.5 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-768
[3-3] 3.8 U
[5-5] 84.6
[7-7] 4 U
[9-9] 3.9 U

SB-595
[3-3] 18.8

SB-062A
[3-3] 60.5
[5-5] 4212
[7-7] 239
[9-9] 4863

SB-773
[3-3] 36
[5-5] 3.9 U
[5-5] 4.1 U [D]
[9-9] 0.99

SB-058A
[4-4] 15
[6-6] 121
[8-8] 29
[10-10] 26.4

D-TP-2
[6-7]3 680
[6-7]5 4.1 U
[8-10]1 503
[8-10]4 3.8 U

SB-791
[3-3] 58.2
[5-5] 4.2 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-338
[2-3] 40
[5-6] 50
[8-9] 400 U

SB-065
[3-3] 14.3 [RE]
[5-5] 1.6 U [RE]
[5-5] 1.6 U [D][RE]
[6-6] 1.5 U [RE]
[7-7] 1.5 U [RE]
[8-8] 1.5 U [RE]
[9-9] 1.6 U [RE]
[10-10] 1.5 U [RE]

SB-062D
[5-5] 57.3
[7-7] 9.9
[9-9] 1.5 U

SB-592B
[4-4] 185
[6-6] 193
[6-6] 438 [D]
[8-8] 25.1

SB-058D
[4-4] 91.9
[6-6] 475
[8-8] 37.2
[10-10] 15.8

SB-058B
[4-4] 39.8
[4-4] 18.3 [D]
[6-6] 84.8
[8-8] 0.9
[10-10] 14.6

SB-786
[3-3] 161
[5-5] 50
[7-7] 58.2
[9-9] 3.9 U

SB-792
[3-3] 0.8
[5-5] 4 U
[7-7] 3.9 U
[9-9] 3.9 U

SB-769
[3-3] 4 U
[5-5] 3.9 U
[7-7] 3.9 U
[9-9] 4.1 U

SB-593
[3-3] 86.6

SB-058
[3-3] 1.6 U [RE]
[4-4] 1.5 U [RE]
[5-5] 100
[5-5] 1.5 U [RE]
[6-6] 1.5 U [RE]
[7-7] 157 [RE]
[8-8] 1.6 U [RE]
[8-8] 10.7 [D][RE]
[9-9] 437 [RE]
[10-10] 40.7 [RE]

SB-058C
[4-4] 24.2
[6-6] 42.8
[8-8] 3.2
[10-10] 15.7

SB-787
[3-3] 772
[5-5] 4.2 U
[7-7] 4 U
[9-9] 3.9 U

SB-793
[3-3] 20.6
[5-5] 4.1 U
[7-7] 4 U
[9-9] 3.9 U

D-TP-1
[4-6]1 3.8 U
[4-6]4 69.6
[4-6]5 3.7 U
[8-10]2 3.9 U
[8-10]3 64.8
[8-10]6 177

SB-239
[3-3] 1.7
[4-4] 26.2
[5-5] 22.9
[6-6] 208
[7-7] 417
[8-8] 367
[9-9] 1801
[10-10] 21.2

SB-594
[3-3] 83.1

SB-774
[3-3] 24437
[5-5] 192
[7-7] 566
[9-9] 169

SB-782
[3-3] 59.7
[5-5] 4 U
[7-7] 4 U
[9-9] 4 U

SB-794
[3-3] 135
[5-5] 4.1 U
[7-7] 4.1 U
[9-9] 3.8 U

SB-062B
[3-3] 61.5
[5-5] 282
[7-7] 434
[7-7] 94.8 [D]
[9-9] 1.5 U

SB-788
[3-3] 51.1
[5-5] 4.1 U
[7-7] 4.1 U
[9-9] 4 U

SB-062
[3-3] 43.3 [RE]
[4-4] 68.7 [RE]
[5-5] 152 [RE]
[6-6] 213 [RE]
[7-7] 76.4 [RE]
[8-8] 64.8 [RE]
[9-9] 1346 [RE]
[10-10] 1.5 U [RE]

SB-771
[3-3] 131
[5-5] 223
[7-7] 10.9
[9-9] 4 U

SB-062C
[3-3] 174
[5-5] 45.1
[7-7] 121
[9-9] 1.5 U

SB-783
[3-3] 3.7 U
[5-5] 4.1 U
[7-7] 3.9 U
[9-9] 3.9 U

SB-784
[3-3] 3.9 U
[5-5] 4.1 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-057
[3-3] 1.4 U [RE]
[4-4] 1.6 U [RE]
[5-5] 1.6 U [RE]
[6-6] 1.6 U [RE]
[7-7] 1.6 U [RE]
[8-8] 1.6 U [RE]
[9-9] 1.6 U [RE]
[10-10] 1.7 U [RE]

SB-789
[3-3] 15.1
[5-5] 4 U
[7-7] 4.1 U
[9-9] 3.9 U

SB-795
[3-3] 17
[5-5] 1.9
[7-7] 4.1 U
[9-9] 3.9 U

SB-785
[3-3] 38.6
[5-5] 4 U
[7-7] 12.2
[9-9] 4 U

SB-790
[3-3] 224
[5-5] 1345
[7-7] 70.7
[9-9] 4.2 U

SB-031
[5-5] 400 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE D-2

BAP EQUIVALENTS IN SUBSURFACE SOIL

BLOCK D

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKD_SUBSURFACE_BAP.MXD 03/01/11 TW

FIGURE D-1

BAP EQUIVALENTS IN SURFACE SOIL
BLOCK D

SB-061D [1-1] 81.5
SB-778 [0-1] 3.8 U
SB-242 [0.5-0.5] 100 [1-1] 61.9 [1.5-1.5] 161 U
SB-061A [1-1] 153
SB-061 [1-1] 16.5 [RE] [2-2] 1.6 U [RE] [2-2] 10.1 [D][RE]
SB-060D [1-1] 9774
SB-061B [1-1] 22.2
SB-066A [2-2] 16.6
SB-060A [1-1] 17997
SB-060 [0-0] 43.7 [1-1] 22517 [RE] [2-2] 45.3 [RE]
SB-061C [1-1] 386
SB-066 [0-0] 0.64 [1-1] 51.9 [RE] [2-2] 1461 [RE]
SB-779 [0-1] 0.9
SB-766 [0-1] 3.6 U
SB-060B [1-1] 22.9
SB-776 [0-1] 4 U
SB-066D [2-2] 1.5 U
SB-329 SB-335 SB-331 SB-334 SB-330 SB-327 SB-332 SB-328 SB-333
SB-780 [0-1] 4 U
SB-066B [2-2] 0.94
SB-243A [2-2] 134
SB-772 [0-1] 43.2
SB-240A [1-1] 372
SB-243 [0.5-0.5] 84.8 [1-1] 163 [1.5-1.5] 90.9 [1-1] 3300 [RE] [2-2] 19.6 [RE]
SB-241 [0.5-0.5] 89.1 [1-1] 77.1 [1.5-1.5] 135
SB-323 SB-320 SB-324 SB-322 SB-321 SB-318 SB-325 SB-319 SB-326
SB-066C [2-2] 37.3
SB-060C [1-1] 646
SB-775 [0-1] 4 U
SB-240B [1-1] 13461
SB-243D [2-2] 15.2
SB-781 [0-1] 8311
SB-770 [0-1] 16
SB-240D [1-1] 44
SB-032 [0-0] 3700 U
SB-243B [2-2] 1.6 U
SB-064 [0-0] 2007
SB-033 [0-0] 3600 U
SB-767 [0-1] 29
SB-240C [1-1] 43.3
SB-243C [2-2] 13.6
SB-240 [0.5-0.5] 72.3 [1-1] 82.5 [1.5-1.5] 175 [1-1] 2378 [RE] [2-2] 1.5 U [RE]
SB-342
SB-341 SB-344
SB-337 SB-343
SB-336 SB-339
SB-340 SB-338
SB-059 [0-0] 3500 U
SB-067 [0-0] 9391
SB-063A [2-2] 16.6
SB-063B [2-2] 1.5 U
SB-791 [0-1] 3.5 U
SB-592D [2-2] 52.1
SB-063D [2-2] 1.6 U
SB-777 [0-1] 452
SB-787 [0-1] 72.4
SB-592A [2-2] 0.052
SB-063 [0-0] 0.53 [1-1] 138 [RE] [2-2] 106 [RE] [2-2] 26.4 [D][RE]
SB-595 [2-2] 84.6
SB-592 [2-2] 35.9
SB-063C [2-2] 0.98
D-TP-2
SB-065 [1-1] 1.4 U [RE] [2-2] 17.8 [RE]
SB-796 [0-1] 77.3
SB-062A [1-1] 44.1
SB-592B [2-2] 30.7
SB-058A [2-2] 33.2 [2-2] 209 [D]
SB-058B [2-2] 3019
SB-786 [0-1] 574
SB-792 [0-1] 0.0072
SB-768 [0-1] 75.9
SB-062D [1-1] 16660
SB-593 [2-2] 31.7
SB-058 [1-1] 714 [RE] [2-2] 8591 [RE]
SB-793 [0-1] 14.9
SB-773 [0-1] 3.9 U
SB-058D [2-2] 131
SB-782 [0-1] 130
SB-788 [0-1] 105
SB-769 [0-1] 37.2
D-TP-1
SB-239 [0.5-0.5] 130 [1-1] 340 [1.5-1.5] 537 [2-2] 297 [2-2] 18 [D]
SB-058C [2-2] 6424
SB-783 [0-1] 216
SB-794 [0-1] 711
SB-062 [0-0] 7569 [1-1] 6410 [RE] [2-2] 1065 [RE]
SB-774 [0-1] 11379
SB-784 [0-1] 38.6
SB-062C [1-1] 2578
SB-594 [2-2] 92.3
SB-771 [0-1] 11308
SB-789 [0-1] 20.3
SB-795 [0-1] 37
SB-062B [1-1] 546
SB-057 [0-0] 0.06 [1-1] 19.6 [RE] [2-2] 1.5 U [RE] [2-2] 1.5 U [D][RE]
SB-785 [0-1] 3.6 U
SB-790 [0-1] 16.4
SB-031 [0-0] 370 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED: 02/28/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKD_SURFACE_BAP.MXD 02/28/11 TW

SB-003
[5-5] 440 U
[10-10] 440 U

SB-003A

SB-512
[4-6] 380 U
[8-10] 96
[8-10] 456 [D]

SB-510
[4-6] 380 U
[8-10] 46.4
[8-10] 28.8 [D]

SB-002
[5-5] 440 U
[10-10] 440 U

SB-002A

SB-509
[4-6] 380 U
[8-10] 380 U

SB-514
[4-6] 400 U
[8-10] 390 U
[8-10] 390 U [D]

SB-001
[5-5] 480 U
[10-10] 450 U

SB-511
[4-6] 1.9
[8-10] 410 U

SB-006
[5-5] 430 U
[10-10] 440 U

SB-513
[4-6] 1
[8-10] 390 U

SB-001A

SB-833B
[4-4] 3.9 U
[6-6] 4.1 U
[8-8] 3.8 U
[10-10] 3.9 U

SB-518
[4-6] 400 U
[8-10] 430 U

SB-507
[4-6] 410 U
[8-10] 380 U

SB-006A

SB-508
[4-6] 390 U
[4-6] 390 U [D]
[8-10] 400 U

SB-833N
[4-4] 40 U
[6-6] 240
[8-8] 16
[10-10] 16 U

SB-833A
[6-6] 340
[10-10] 200 U

SB-833C
[4-4] 3.8 U
[6-6] 3.9 U
[8-8] 4 U
[10-10] 4.1 U

SB-005
[5-5] 420 U
[10-10] 450 U

SB-005A

SB-036
[5-5] 400 U

SB-500
[4-6] 370 U
[8-10] 400 U

SB-833I
[8-8] 40 U
[10-10] 155

SB-004
[5-5] 0.052
[10-10] 450 U

SB-035
[4-4] 390 U

SB-501
[4-6] 370 U
[8-10] 390 U

SB-515
[4-6] 400 U
[8-10] 1.4

SB-004A

SB-519
[4-6] 380 U
[8-10] 380 U

SB-502
[4-6] 22.3
[8-10] 3800 U

SB-833M
[4-4] 4 U
[6-6] 3.8 U
[8-8] 4 U
[10-10] 4 U

SB-833D
[4-4] 4 U
[6-6] 4.2 U
[8-8] 3.9 U
[10-10] 4.3 U

SB-503
[4-6] 34.5
[10-12] 390 U

SB-833J
[4-4] 3.8 U
[6-6] 4 U
[8-8] 3.9 U
[10-10] 4.1 U

SB-833K
[6-6] 39 U
[8-8] 3.9 U
[10-10] 120

SB-505
[4-6] 380 U
[8-10] 13.2

SB-516

SB-833E
[6-6] 77 U
[10-10] 3.9 U

SB-833H
[6-6] 3.9 U
[8-8] 3.8 U
[10-10] 4 U

SB-504
[4-6] 2167
[8-10] 97.1

SB-506
[4-6] 380 U
[8-10] 420 U

SB-833L
[4-4] 3.9 U
[6-6] 4 U
[8-8] 38 U

SB-517
[4-6] 400 U
[8-10] 39.6

SB-520
[4-6] 400 U
[8-10] 2.1

SB-833F
[4-4] 3.9 U
[6-6] 4 U
[8-8] 4.1 U
[10-10] 4.1 U

SB-833G
[6-6] 4.2 U
[8-8] 4 U
[10-10] 3.9 U

SB-833
[9-9] 33242

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE E-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK E

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

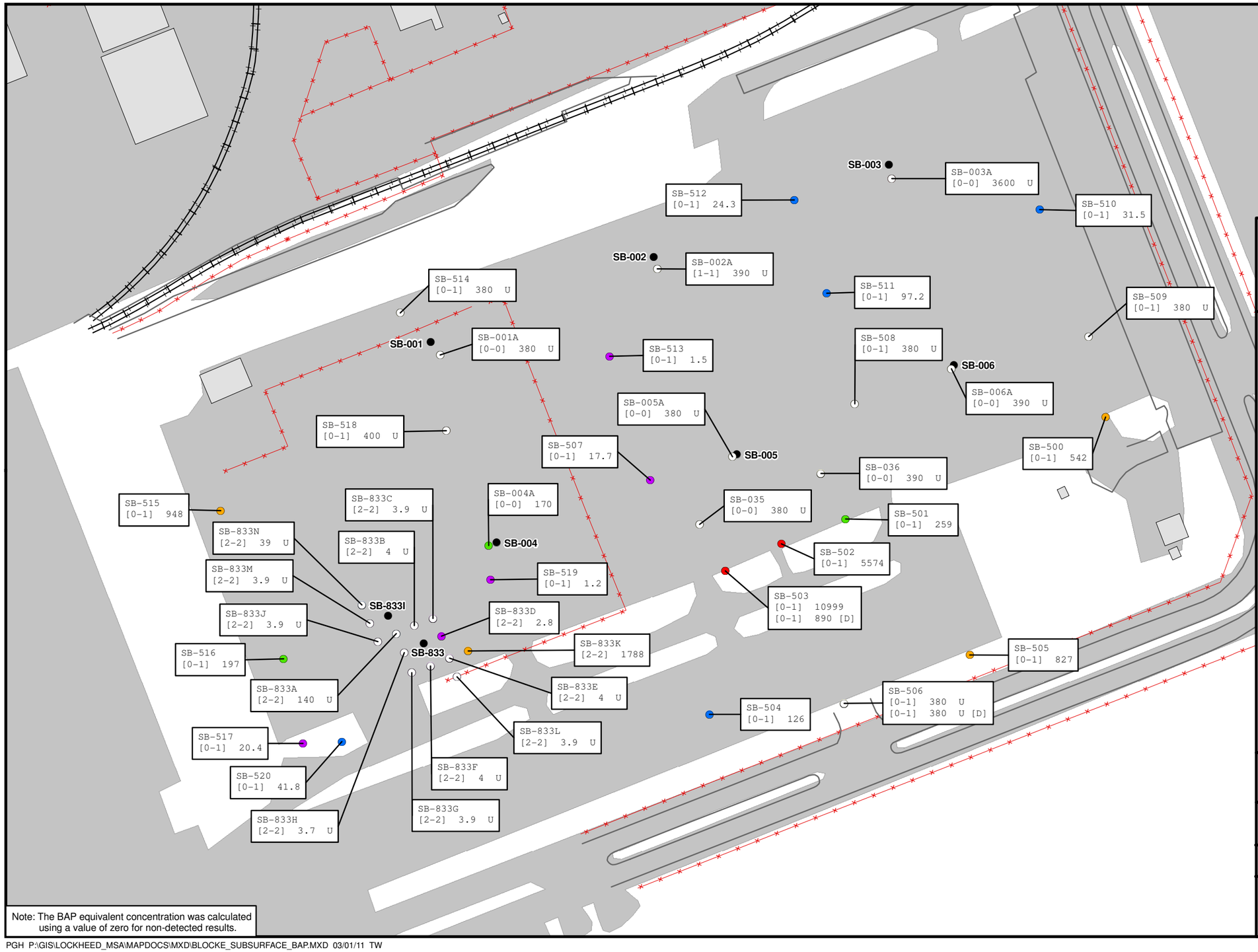
N

DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_BAP.MXD 03/01/11 TW



Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE E-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK E

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

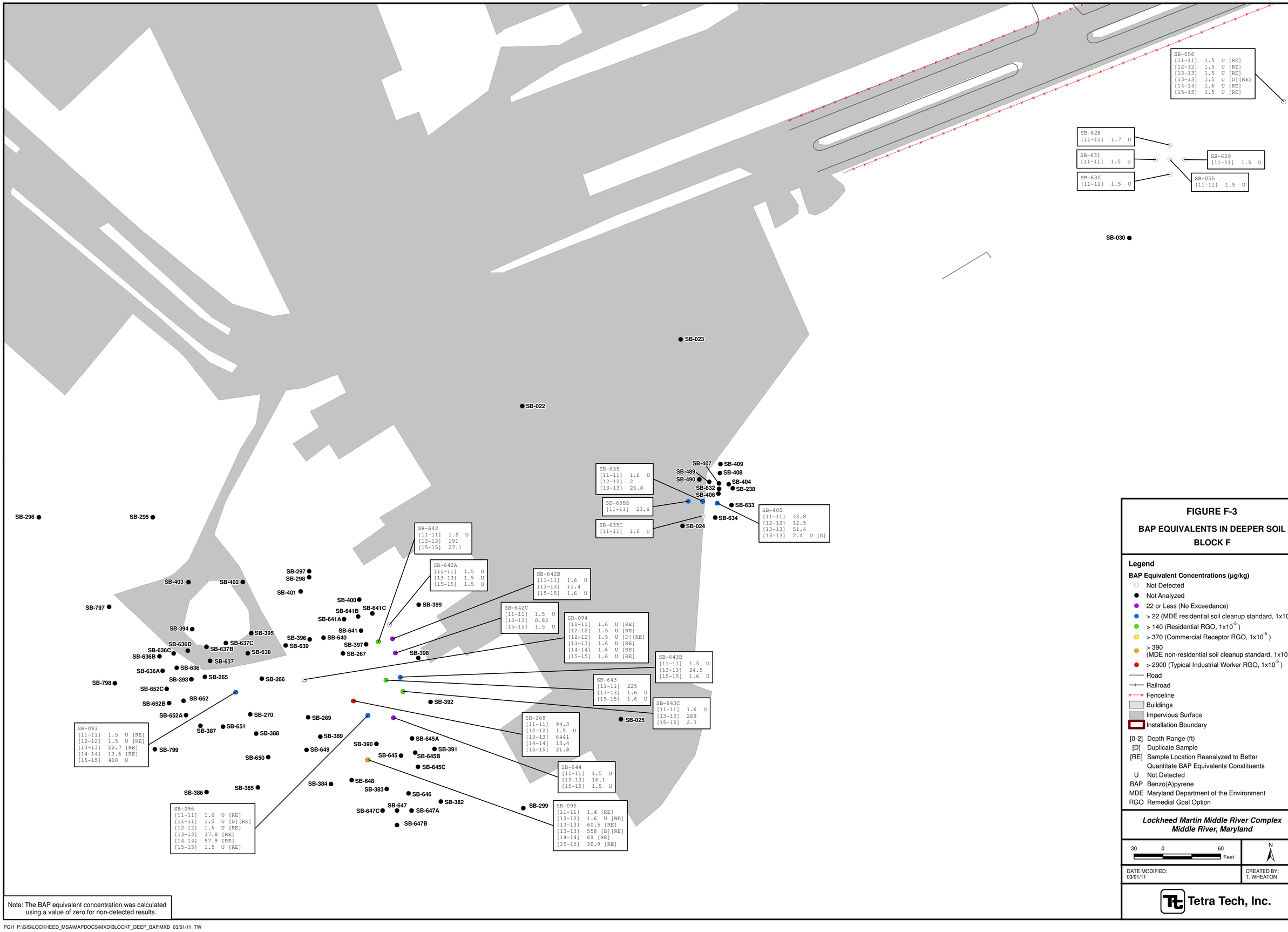
N

DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_BAP.MXD 03/01/11 TW



Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE F-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

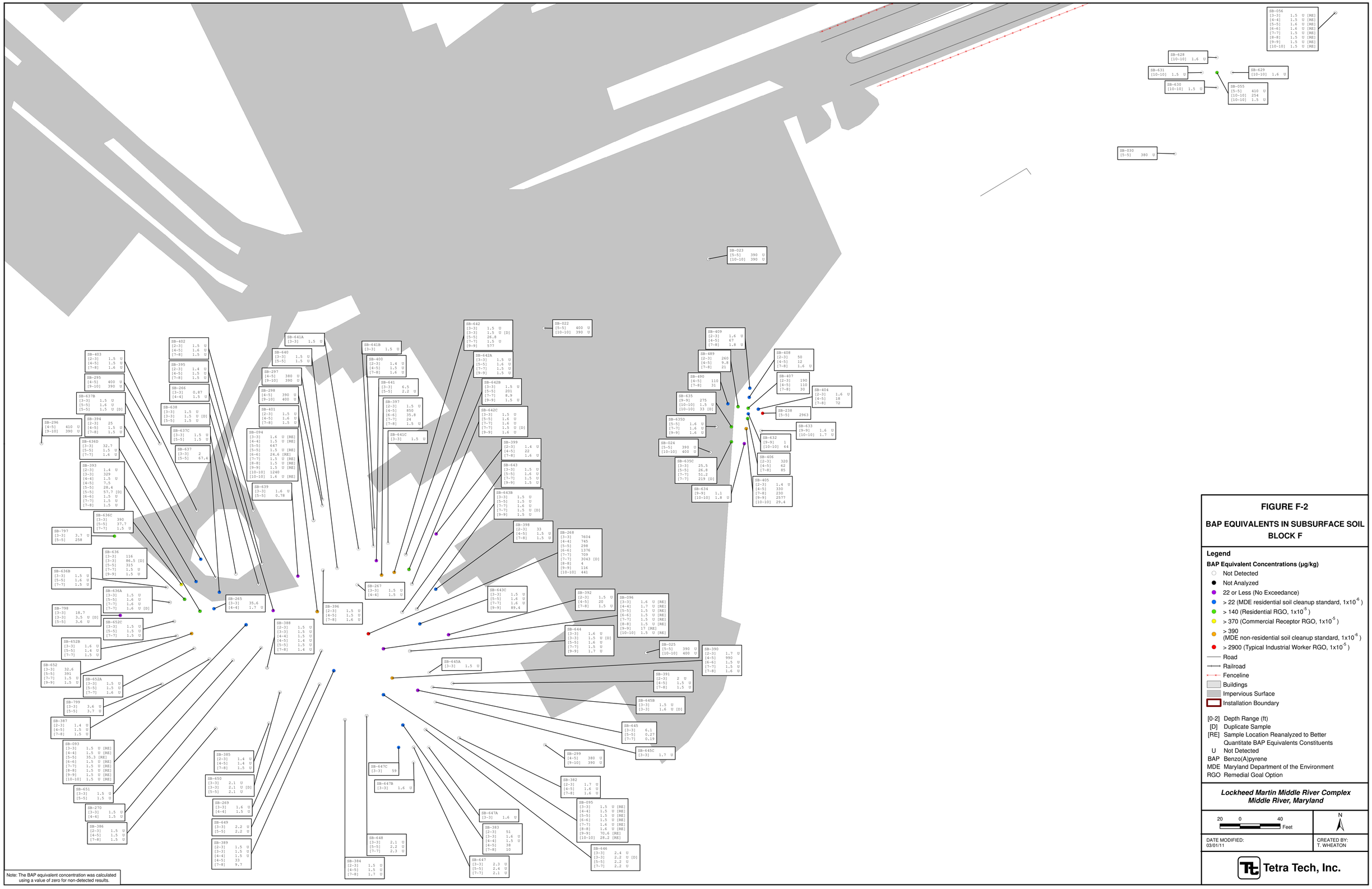
N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_DEEP_BAP.MXD 03/01/11 TW



Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SURFACE_BAP.MXD 03/01/11 TW

FIGURE F-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

20 0 40 Feet

N

DATE MODIFIED: 03/01/11

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Tetra Tech, Inc.

SB-056
[1-1] 22 [RE]
[2-2] 1.5 U [RE]

SB-628
SB-631
SB-629
SB-630
SB-055
[0-1] 121

SB-030
[0-1] 4.8

SB-023
[0-1] 380 U

SB-022
[0-1] 430 U

SB-407
[1-2] 130
SB-409
[1-2] 39
SB-489
[1-2] 9.6
SB-408
[1-2] 87
SB-404
[1-2] 1.5 U
SB-490
SB-632
SB-635
SB-238
[0-1] 424
[1-2] 98.2
SB-635D
[1-1] 19.5
SB-633
SB-406
[1-2] 510
SB-024
[0-1] 77.6
SB-634
SB-405
[1-2] 36
SB-635C
[1-1] 1267

SB-637B
[1-1] 6953
SB-637
[1-1] 1186
SB-403
[1-2] 1.5 U
SB-637C
[1-1] 2075
SB-296
SB-295
SB-394
[1-2] 140
SB-402
[1-2] 37
SB-265
[0-1] 2545
[1-2] 602
SB-638
[1-1] 1.4 U
SB-636D
[1-1] 6757
SB-395
[1-2] 1.6 U
SB-297
SB-298
SB-401
[1-2] 25
SB-797
[1-1] 3496
SB-636C
[1-1] 7120
SB-636B
[1-1] 1412
SB-266
[0-1] 1344
[1-2] 151
SB-636
[1-1] 163
SB-636A
[1-1] 410
SB-639
[1-1] 77.8
SB-798
[1-1] 3.7 U
SB-393
[1-2] 450
SB-652C
[1-1] 17.7
SB-652B
[1-1] 505
SB-652
[1-1] 342
SB-652A
[1-1] 228
SB-093
[0-1] 1939
[1-1] 1190 [RE]
[2-2] 150 [RE]
SB-799
[1-1] 10.9
SB-387
[1-2] 12
SB-651
[1-1] 13
SB-270
[0-1] 369
[1-2] 81
SB-388
[1-2] 380
SB-386
[1-2] 1.4 U
SB-094
[0-1] 1074
[1-1] 184 [RE]
[2-2] 95.4 [RE]

SB-396
[1-2] 80
SB-640
[1-1] 73
SB-641A
[1-1] 40.6
SB-400
[1-2] 9.1
SB-641B
[1-1] 289
SB-643C
[1-1] 1.4 U
SB-385
[1-2] 1.4 U
SB-650
[1-1] 3.1
SB-269
[0-1] 1883
[1-2] 82 U
SB-649
[1-1] 2.2 U
SB-389
[1-2] 220
SB-384
[1-2] 1.5 U
SB-268
[0-1] 38098
[1-2] 4262
SB-648
[1-1] 2.2 U

SB-641C
[1-1] 9111
SB-641
[1-1] 1364
SB-642A
[1-1] 1.5 U
SB-399
[1-2] 1.4 U
SB-397
[1-2] 80
SB-642
[1-1] 1495
SB-642B
[1-1] 55.8
SB-267
[0-1] 313
[1-2] 104
SB-642C
[1-1] 0.012
SB-398
[1-2] 29
SB-643B
[1-1] 118
SB-643
[1-1] 708
SB-392
[1-2] 1.4 U
SB-096
[1-1] 602 [RE]
[2-2] 1.6 U [RE]
SB-025
[0-1] 400 U
SB-644
[1-1] 69.6
SB-645A
[1-1] 111
SB-391
[1-2] 1.6 U
SB-645B
[1-1] 112
SB-645
[1-1] 26715
SB-299
SB-645C
[1-1] 369
SB-390
[1-2] 9.9
SB-382
[1-2] 1.5 U
SB-646
[1-1] 22.7
SB-647A
[1-1] 3838
SB-383
[1-2] 19000
SB-647C
[1-1] 5140
SB-095
[0-1] 2132
[1-1] 49963 [RE]
[2-2] 0.85 [RE]
SB-647
[1-1] 284
SB-647B
[1-1] 283

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SURFACE_BAP.MXD 03/01/11 TW

FIGURE F-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

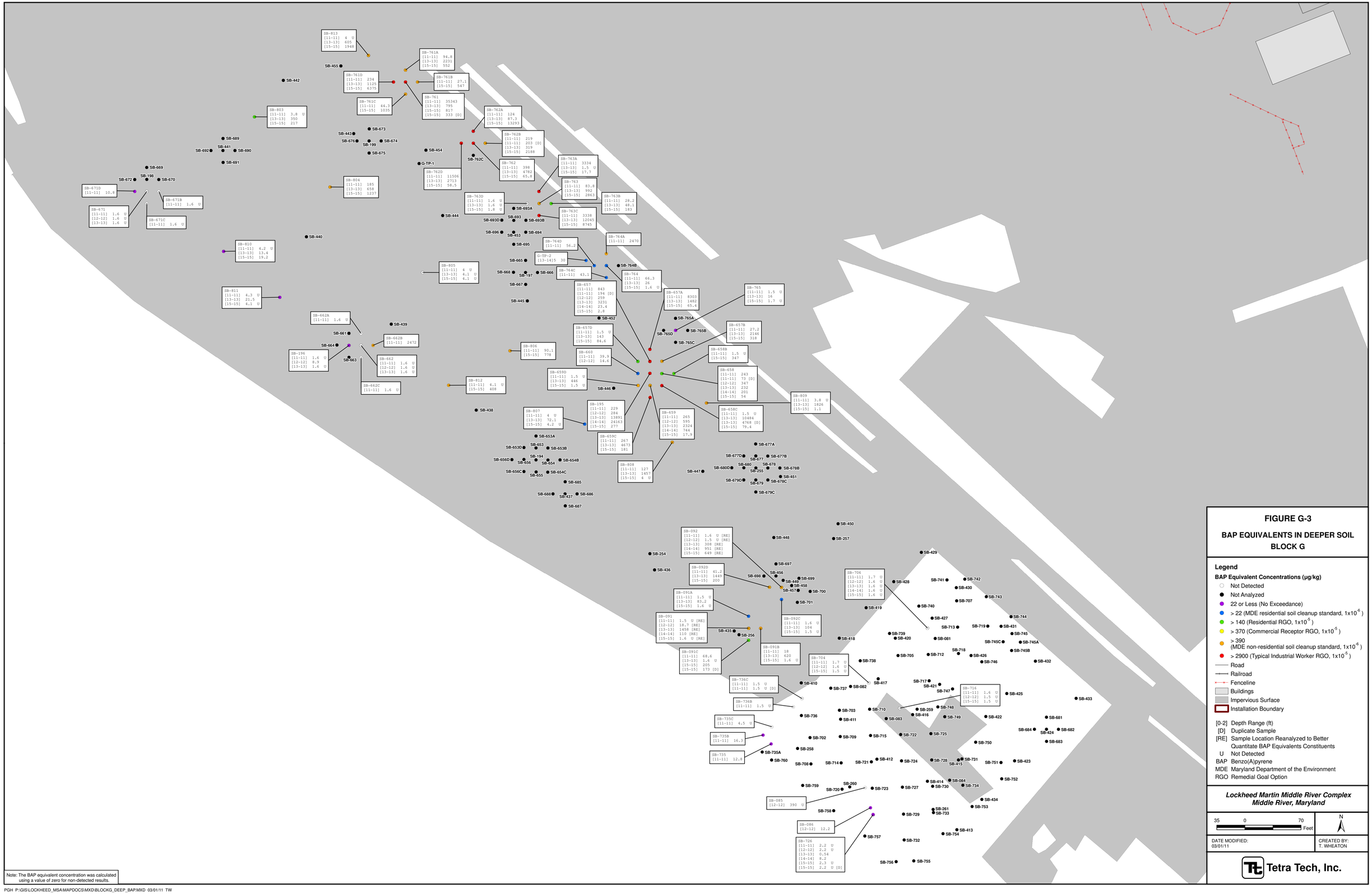
30 0 60 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.



Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKG_DEEP_BAP.MXD 03/01/11 TW

FIGURE G-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

DATE MODIFIED: 03/01/11

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Tetra Tech, Inc.

FIGURE G-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

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FIGURE G-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

SB-814
[11-11] 4 U
[13-13] 46.3
[15-15] 14.5

SB-815
[11-11] 13.1
[13-13] 268
[15-15] 4 U

SB-282D
[11-11] 1.5 U
[13-13] 225
[15-15] 1.5 U

SB-282A
[11-11] 1.6 U
[13-13] 409
[15-15] 32.2

SB-282B
[11-11] 47.8
[13-13] 373
[15-15] 1.6 U

SB-282
[11-11] 1.6 U [RE]
[12-12] 14.7 [RE]
[13-13] 1462 [RE]
[14-14] 3.8 [RE]
[15-15] 1.6 U [RE]

SB-282C
[11-11] 2121
[13-13] 1249
[15-15] 288

SB-817
[11-11] 3.9 U
[13-13] 3.9 U
[15-15] 3.9 U

SB-816
[11-11] 201

SB-294
SB-293
SB-203
SB-202
SB-485
SB-478
SB-611
SB-611A
SB-611D
SB-477
SB-608
SB-604D
SB-604A
SB-470
SB-609
SB-604
SB-484
SB-610D
SB-284
SB-604B
SB-610B
SB-610
SB-467
SB-607
SB-605
SB-610C
SB-283
SB-483
SB-471
SB-606
SB-466
SB-479
SB-486
SB-476
SB-468
SB-475
SB-201
SB-482
SB-472
SB-465
SB-487
SB-469
SB-480
SB-464
SB-200
SB-473
SB-481
SB-488
SB-463
SB-620
SB-474
SB-621
SB-623
SB-622
SB-462

SB-612
[11-11] 8.4
[11-11] 107 [D]
[12-12] 1.6 U

SB-285
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]

SB-615
[11-11] 10.4
[12-12] 20.6

SB-614
[11-11] 34.5
[12-12] 99.4

SB-599
[11-11] 14
[12-12] 34.9

SB-200
[11-11] 66.1
[12-12] 165
[13-13] 848
[14-14] 13.3
[15-15] 119

SB-598
[11-11] 1.6 U
[12-12] 1.6 U

SB-596
[11-11] 0.96
[12-12] 130

SB-613
[11-11] 88
[12-12] 42.4

SB-619
[11-11] 1.6 U
[12-12] 1.5 U

SB-597
[11-11] 1.5 U
[12-12] 1.6 U

SB-618
[11-11] 1.5 U
[12-12] 0.98

SB-616
[11-11] 115
[11-11] 2.2 [D]
[12-12] 1.5 U

SB-617
[11-11] 1.6 U
[11-11] 11.7 [D]
[12-12] 31 U

SB-286
[11-11] 32.2
[12-12] 33 U
[15-15] 1.6 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE H-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

45 0 90 Feet

N

DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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SB-814
[3-3] 3.9 U
[5-5] 3.7 U
[7-7] 3.9 U
[9-9] 722

SB-282A
[3-3] 1.5 U
[5-5] 23.7
[7-7] 1.5 U
[9-9] 1.5 U
[9-9] 1.5 U [D]

SB-294
[4-5] 390 U
[9-10] 400 U

SB-293
[4-5] 400 U
[9-10] 390 U

SB-815
[3-3] 3.5 U
[5-5] 8.7
[7-7] 3.9 U
[9-9] 56.3

SB-282D
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.6 U
[9-9] 307

SB-282B
[3-3] 1.9
[5-5] 1.6 U
[7-7] 1.5 U
[9-9] 1657

SB-282
[3-3] 149 [RE]
[4-4] 182 [RE]
[5-5] 1063 [RE]
[6-6] 539 [RE]
[7-7] 180 [RE]
[7-7] 29.5 [D][RE]
[8-8] 71.3 [RE]
[9-9] 3534 [RE]
[9-10] 188
[10-10] 1080 [RE]

SB-282C
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 1.5 U
[9-9] 1.5 U [D]

SB-817
[3-3] 3.7 U
[5-5] 35.7
[7-7] 3.8 U
[7-7] 3.8 U [D]
[9-9] 3.9 U

SB-816
[3-3] 3.7 U
[3-3] 3.8 U [D]
[5-5] 23
[7-7] 3.8 U
[9-9] 77.3

SB-609
[3-3] 19.5
[4-4] 45.9

SB-476
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-610B
[3-3] 1.6 U
[5-5] 1.5 U
[5-5] 1.6 U [D]

SB-203
[5-5] 83 U
[10-10] 80 U

SB-477
[2-3] 1.7 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-202
[5-5] 83 U
[10-10] 75.1

SB-478
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.6 U

SB-608
[3-3] 1.6 U
[4-4] 0.9
[4-4] 1.7 U [D]

SB-611
[3-3] 736
[4-4] 1.6 U
[5-5] 9.3
[6-6] 1.6 U
[7-7] 1.5 U

SB-284
[3-3] 1.6 U [RE]
[4-4] 12.3 [RE]
[4-5] 470 U
[9-10] 390 U

SB-604D
[3-3] 1.6 U
[3-3] 1.6 U [D]
[5-5] 1.7 U
[7-7] 1.7 U

SB-604
[3-3] 195
[4-4] 1.6 U
[5-5] 364
[6-6] 124
[7-7] 1.5 U

SB-485
[2-3] 43
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-610
[3-3] 477
[4-4] 61.3
[5-5] 18.8
[6-6] 1.6 U
[7-7] 1.5 U

SB-611A
[3-3] 29
[5-5] 323

SB-607
[3-3] 1.6 U
[4-4] 1.6 U

SB-604B
[3-3] 1.5 U
[5-5] 1728
[7-7] 1.5 U

SB-604A
[3-3] 1.6 U
[5-5] 33.5
[7-7] 1.6 U

SB-611D
[3-3] 1.5 U
[5-5] 1.6 U
[5-5] 1.6 U [D]

SB-283
[3-3] 1.5 U [RE]
[4-4] 1.5 U [RE]
[4-5] 400 U
[9-10] 390 U

SB-470
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-610D
[3-3] 1.6 U
[5-5] 1.5 U

SB-605
[3-3] 22.6
[4-4] 1.5 U

SB-484
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-483
[2-3] 28
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-467
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-466
[2-3] 1.4 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-610C
[3-3] 1.6 U
[5-5] 1.5 U

SB-486
[2-3] 380 U
[3-4] 390 U
[5-6] 410 U
[7-8] 390 U

SB-612

SB-482
[2-3] 1.6 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.6 U

SB-471
[2-3] 21
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-615
SB-613

SB-285
[4-5] 1210
[9-10] 704

SB-475
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-201
[5-5] 82 U
[10-10] 2.3

SB-468
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-487
[2-3] 400 U
[3-4] 380 U
[5-6] 390 U
[7-8] 390 U

SB-472
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-606
[3-3] 0.9
[4-4] 1.5 U

SB-465
[2-3] 1.4 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-596

SB-481
[2-3] 1.5 U
[3-4] 10
[5-6] 1.6 U
[7-8] 1.6 U

SB-599
SB-597
SB-598

SB-614
[10-10] 5330

SB-473
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.7 U
[7-8] 1.6 U

SB-479
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-469
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-616

SB-200
[5-5] 124
[10-10] 943

SB-619
SB-617

SB-620
[5-5] 21.9
[6-6] 1.5 U
[6-6] 1.5 U [D]

SB-618

SB-463
[2-3] 1.8 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-464
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-200
[5-5] 124
[10-10] 943

SB-623
[5-5] 33.4
[6-6] 43.3

SB-621
[5-5] 20.9
[6-6] 1.5 U

SB-286
[4-5] 440 U
[9-10] 433

SB-480
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-488
[2-3] 370 U
[3-4] 380 U
[5-6] 400 U
[7-8] 390 U

SB-474
[2-3] 31
[3-4] 490
[5-5] 15 [RE]
[5-6] 1.4 U
[6-6] 1.5 U [RE]
[7-8] 1.5 U

SB-462
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-622
[5-5] 2
[6-6] 1.5 U

FIGURE H-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKH_SUBSURFACE_BAP.MXD 03/01/11 TW

SB-814
[1-1] 3.9 U

SB-815
[1-1] 3.8 U

SB-282A
[1-1] 23981

SB-294
[0-1] 360 U

SB-282B
[1-1] 30.6

SB-293
[1-2] 360 U

SB-282D
[1-1] 21468

SB-282
[1-1] 165 [RE]
[2-2] 145 [RE]

SB-282C
[1-1] 67.6

SB-817
[1-1] 3.7 U

SB-816
[1-1] 55.6

SB-203
[0-1] 69.9

SB-202
[0-1] 80 U

SB-477
[1-2] 1.5 U

SB-478
[1-2] 1.4 U

SB-284
[1-2] 206

SB-475
[1-2] 1.5 U

SB-485
[1-2] 10

SB-611A
[1-1] 52.5

SB-611D
[1-1] 616

SB-604D
[1-1] 45883

SB-604B
[1-1] 163

SB-470
[1-2] 52

SB-604A
[1-1] 16

SB-611

SB-608

SB-609

SB-610D
[1-1] 24

SB-283
[1-2] 367

SB-604

SB-484
[1-2] 21

SB-467
[1-2] 1.5 U

SB-610

SB-607

SB-605

SB-606

SB-483
[1-2] 32

SB-466
[1-2] 11

SB-471
[1-2] 1.6 U

SB-486
[1-2] 370 U

SB-468
[1-2] 1.5 U

SB-612

SB-615

SB-613

SB-482
[1-2] 13

SB-465
[1-2] 1.5 U

SB-614

SB-476
[1-2] 1.5 U

SB-201
[0-1] 48.6

SB-285
[1-2] 400 U

SB-610B
[1-1] 14

SB-487
[1-2] 370 U

SB-469
[1-2] 15

SB-596

SB-599

SB-597

SB-610C
[1-1] 30.3

SB-481
[1-2] 31

SB-464
[1-2] 1.4 U

SB-598

SB-616

SB-619

SB-617

SB-200
[0-1] 499

SB-618

SB-479
[1-2] 15

SB-488
[1-2] 9

SB-463
[1-2] 69

SB-620

SB-480
[1-2] 1.5 U

SB-623

SB-621

SB-472
[1-2] 1.5 U

SB-622

SB-286
[1-2] 370 U

SB-474
[1-2] 24

SB-473
[1-2] 1.5 U

SB-462
[1-2] 26

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE H-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

45 0 90 Feet

N

DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKH_SURFACE_BAP.MXD 03/01/11 TW

SB-819
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 21 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-820
[11-11] A1254 19 U
A1260 19 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 21 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-825
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 22 U
A1260 22 U
TOTAL 0 U
[15-15] A1254 21 U
A1260 21 U
TOTAL 0 U

SB-818
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 23 U
A1260 23 U
TOTAL 0 U

SB-824
[11-11] A1254 21 U
A1260 21 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 21 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-822
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 23 U
A1260 23 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-831
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 19 U [D]
A1260 19 U [D]
TOTAL 0 U [D]

SB-830
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[11-11] A1254 20 U [D]
A1260 20 U [D]
TOTAL 0 U [D]
[13-13] A1254 22 U
A1260 33 J
TOTAL 33
[15-15] A1254 21 U
A1260 21 U
TOTAL 0 U

SB-570A
[12-12] A1254 19 U
A1260 19 U
TOTAL 0 U
[14-14] A1254 20 U
A1260 20 U
TOTAL 0 U
[16-16] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-838
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 21 U
A1260 21 U
TOTAL 0 U

SB-821
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 21 U
A1260 21 U
TOTAL 0 U

SB-829
[11-11] A1254 22 U
A1260 22 UJ
TOTAL 0 U
[13-13] A1254 21 U
A1260 33 J
TOTAL 33
[15-15] A1254 21 U
A1260 21 UJ
TOTAL 0 U

SB-837
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 53 J
TOTAL 53
[13-13] A1254 20 U [D]
A1260 310 J [D]
TOTAL 310 [D]
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-842
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[11-11] A1254 20 U [D]
A1260 20 U [D]
TOTAL 0 U [D]
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 21 U
A1260 62
TOTAL 62

SB-843
[11-11] A1254 21 U
A1260 21 U
TOTAL 0 U
[11-11] A1254 20 U [D]
A1260 20 U [D]
TOTAL 0 U [D]
[13-13] A1254 21 U
A1260 21 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-846
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 22 U
A1260 22 U
TOTAL 0 U
[15-15] A1254 22 U
A1260 22 U
TOTAL 0 U

SB-828
[11-11] A1254 100 U
A1260 280
TOTAL 280
[13-13] A1254 24 U
A1260 61
TOTAL 61
[15-15] A1254 22 U
A1260 40 J
TOTAL 40

SB-836
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 22 U
A1260 26 J
TOTAL 26
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-827
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 1100 UJ
A1260 15000 J
TOTAL 15000
[15-15] A1254 43 U
A1260 180 J
TOTAL 180

SB-841
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 670
TOTAL 670
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-845
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 110 U
A1260 590
TOTAL 590
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-555A
[12-12] A1254 93 U
A1260 710
TOTAL 710
[14-14] A1254 20 U
A1260 38 J
TOTAL 38
[16-16] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-503
[10-12] A1254 39 U
A1260 39 U
TOTAL 0 U

SB-834
[11-11] A1254 22 U
A1260 32 J
TOTAL 32
[13-13] A1254 110 U
A1260 350
TOTAL 350
[15-15] A1254 22 U
A1260 27 J
TOTAL 27

SB-835
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 190
TOTAL 190
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-840
[11-11] A1254 19 U
A1260 19 U
TOTAL 0 U
[13-13] A1254 99 U
A1260 240
TOTAL 240
[15-15] A1254 21 U
A1260 21 U
TOTAL 0 U

SB-847
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 20 U [D]
A1260 20 U [D]
TOTAL 0 U [D]

SB-826
[11-11] A1254 21 U
A1260 21 U
TOTAL 0 U
[13-13] A1254 20 U
A1260 20 U
TOTAL 0 U
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-833
[11-11] A1254 2000 U
A1260 61000
TOTAL 61000

SB-844
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 170
TOTAL 170
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-839
[11-11] A1254 20 U
A1260 20 U
TOTAL 0 U
[13-13] A1254 21 U
A1260 51
TOTAL 51
[15-15] A1254 20 U
A1260 20 U
TOTAL 0 U

SB-832
[11-11] A1254 21 U
A1260 21 U
TOTAL 0 U
[13-13] A1254 22 U
A1260 22 U
TOTAL 0 U
[15-15] A1254 22 U
A1260 33 J
TOTAL 33

SB-001
SB-001A
SB-002
SB-002A
SB-003
SB-003A
SB-004
SB-004A
SB-005
SB-005A
SB-006
SB-006A
SB-035
SB-036
SB-048
SB-232
SB-233
SB-234
SB-235
SB-346
SB-347
SB-348
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SB-364
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SB-563
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SB-568A
SB-569
SB-570
SB-571
SB-501
SB-502
SB-505
SB-506
SB-833A
SB-833B
SB-833C
SB-833D
SB-833E
SB-833F
SB-833G
SB-833H
SB-833I
SB-833J
SB-833K
SB-833L
SB-833M
SB-833N
SB-500
SB-570

FIGURE E-3B

PCBs IN DEEPER SOIL
BLOCK E

Legend

PCB Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 320 or Less (No Exceedance)
- > 320 (MDE residential soil cleanup standard, 1x10 $^{-6}$)
- > 1,000 (Residential RGO, HI = 1/TSCA High Occupancy (without further conditions))
- > 1,400 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3,100 (Commercial Receptor RGO, HI = 1)
- > 3,300 (Construction Worker RGO, HI =1)
- > 10,000 (Industrial RGO, HI = 1/TSCA High Occupancy (with appropriate cap and deed restrictions))

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

20 0 40 Feet

N

DATE MODIFIED:
03/07/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_DEEP_PCB.MXD 03/07/11 TW

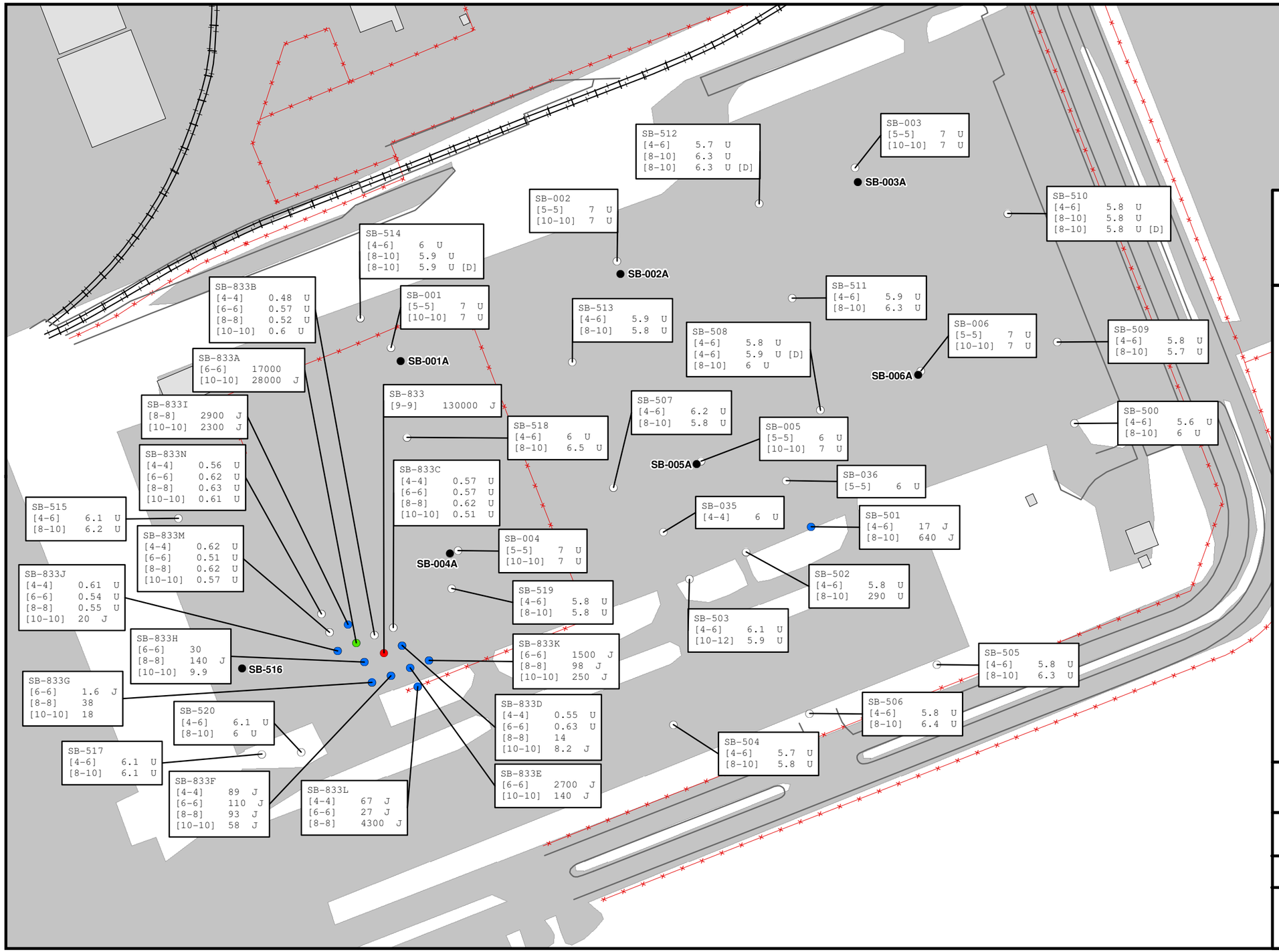

FIGURE E-2E
1,4-DICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,4-Dichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 27,000 or Less (No Exceedance)
- > 27,000 (MDE residential soil cleanup standard)
- > 31,000 (Residential RGO, $1x10^{-5}$)
- > 120,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_14-DCB.MXD 03/08/11 TW

SB-003
[5-5] 7 U
[10-10] 7 U

SB-003A

SB-512
[4-6] 5.7 U
[8-10] 6.3 U
[8-10] 6.3 U [D]

SB-510
[4-6] 5.8 U
[8-10] 5.8 U
[8-10] 5.8 U [D]

SB-002
[5-5] 7 U
[10-10] 7 U

SB-002A

SB-514
[4-6] 6 U
[8-10] 5.9 U
[8-10] 5.9 U [D]

SB-001
[5-5] 7 U
[10-10] 7 U

SB-511
[4-6] 5.9 U
[8-10] 6.3 U

SB-006
[5-5] 7 U
[10-10] 7 U

SB-509
[4-6] 5.8 U
[8-10] 5.7 U

SB-001A

SB-833A
[6-6] 18000
[10-10] 140000

SB-513
[4-6] 5.9 U
[8-10] 5.8 U

SB-006A

SB-833B
[4-4] 0.28 U
[6-6] 2.2 J
[8-8] 2.1 J
[10-10] 0.34 U

SB-508
[4-6] 5.8 U
[4-6] 5.9 U [D]
[8-10] 6 U

SB-500
[4-6] 5.6 U
[8-10] 6 U

SB-833I
[8-8] 21000 J
[10-10] 11000 J

SB-518
[4-6] 6 U
[8-10] 6.5 U

SB-005
[5-5] 6 U
[10-10] 7 U

SB-833N
[4-4] 0.32 U
[6-6] 0.35 U
[8-8] 0.36 U
[10-10] 1.4 B

SB-833C
[4-4] 0.33 U
[6-6] 0.33 U
[8-8] 0.36 U
[10-10] 0.29 U

SB-005A

SB-036
[5-5] 6 U

SB-507
[4-6] 6.2 U
[8-10] 5.8 U

SB-515
[4-6] 6.1 U
[8-10] 6.2 U

SB-501
[4-6] 2100
[8-10] 14000

SB-833M
[4-4] 0.36 U
[6-6] 5.4
[8-8] 0.36 U
[10-10] 0.33 U

SB-004
[5-5] 7 U
[10-10] 7 U

SB-004A

SB-502
[4-6] 21
[8-10] 710

SB-833J
[4-4] 0.35 U
[6-6] 0.31 U
[8-8] 0.31 U
[10-10] 89 J

SB-519
[4-6] 5.8 U
[8-10] 5.8 U

SB-833
[9-9] 2200000

SB-503
[4-6] 6.1 U
[10-12] 5.9 U

SB-833D
[4-4] 0.31 U
[6-6] 0.6 J
[8-8] 65
[10-10] 11 B

SB-833H
[6-6] 5.9
[8-8] 180 J
[10-10] 19 J

SB-035
[4-4] 6 U

SB-505
[4-6] 5.8 U
[8-10] 6.3 U

SB-516

SB-833F
[4-4] 340 J
[6-6] 380 J
[8-8] 320 J
[10-10] 150 J

SB-833K
[6-6] 22000 J
[8-8] 370 J
[10-10] 5800

SB-506
[4-6] 5.8 U
[8-10] 6.4 U

SB-833G
[6-6] 2 J
[8-8] 4.1 J
[10-10] 0.32 U

SB-833L
[4-4] 420 J
[6-6] 230 J
[8-8] 77000 J

SB-504
[4-6] 5.7 U
[8-10] 5.8 U

SB-517
[4-6] 6.1 U
[8-10] 6.1 U

SB-833E
[6-6] 52000 J
[10-10] 910 J

SB-520
[4-6] 6.1 U
[8-10] 6 U

FIGURE E-2C
1,2,3-TRICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,2,3-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 29,000 or Less (No Exceedance)
- > 29,000 (Residential RGO, HI=0.5)
- > 58,000 (Residential RGO, HI=1)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/07/11

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T. WHEATON

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SB-514
[4-6] 6 U
[8-10] 5.9 U
[8-10] 5.9 U [D]

SB-512
[4-6] 5.7 U
[8-10] 6.3 U
[8-10] 6.3 U [D]

SB-003
[5-5] 7 U
[10-10] 7 U

SB-003A

SB-833B
[4-4] 0.69 B
[6-6] 12
[8-8] 11
[10-10] 1.4 B

SB-001
[5-5] 7 U
[10-10] 7 U

SB-002
[5-5] 7 U
[10-10] 7 U

SB-002A

SB-511
[4-6] 5.9 U
[8-10] 6.3 U

SB-510
[4-6] 5.8 U
[8-10] 5.8 U
[8-10] 5.8 U [D]

SB-833A
[6-6] 140000
[10-10] 830000

SB-833I
[8-8] 110000
[10-10] 66000

SB-001A

SB-513
[4-6] 5.9 U
[8-10] 5.8 U

SB-508
[4-6] 5.8 U
[4-6] 5.9 U [D]
[8-10] 6 U

SB-509
[4-6] 5.8 U
[8-10] 5.7 U

SB-006A

SB-006
[5-5] 7 U
[10-10] 7 U

SB-833N
[4-4] 0.23 U
[6-6] 0.25 U
[8-8] 0.51 B
[10-10] 5.9 J

SB-833C
[4-4] 0.66 B
[6-6] 0.94 B
[8-8] 0.79 B
[10-10] 0.49 B

SB-518
[4-6] 6 U
[8-10] 6.5 U

SB-507
[4-6] 6.2 U
[8-10] 5.8 U

SB-500
[4-6] 5.6 U
[8-10] 6 U

SB-833M
[4-4] 0.98 B
[6-6] 25
[8-8] 0.68 B
[10-10] 0.68 B

SB-005A

SB-005
[5-5] 6 U
[10-10] 7 U

SB-833D
[4-4] 0.57 B
[6-6] 2.7 B
[8-8] 110 J
[10-10] 52 B

SB-036
[5-5] 6 U

SB-515
[4-6] 6.1 U
[8-10] 6.2 U

SB-035
[4-4] 6 U

SB-501
[4-6] 4800
[8-10] 69000

SB-833J
[4-4] 1.1 B
[6-6] 1.1 B
[8-8] 0.46 B
[10-10] 520

SB-004
[5-5] 7 U
[10-10] 7 U

SB-004A

SB-519
[4-6] 5.8 U
[8-10] 5.8 U

SB-502
[4-6] 71
[8-10] 3700

SB-833H
[6-6] 38
[8-8] 970
[10-10] 96

SB-503
[4-6] 6.1 U
[10-12] 5.9 U

SB-833K
[6-6] 120000 J
[8-8] 1700 J
[10-10] 28000

SB-505
[4-6] 5.8 U
[8-10] 0.45 B

SB-516

SB-833G
[6-6] 7.5
[8-8] 21
[10-10] 0.67 B

SB-833E
[6-6] 260000
[10-10] 4700

SB-506
[4-6] 5.8 U
[8-10] 6.4 U

SB-517
[4-6] 6.1 U
[8-10] 6.1 U

SB-833L
[4-4] 1900
[6-6] 1000
[8-8] 410000 J

SB-833F
[4-4] 1500
[6-6] 1800
[8-8] 1500
[10-10] 720

SB-504
[4-6] 0.95 B
[8-10] 0.63 B

SB-520
[4-6] 6.1 U
[8-10] 6 U

SB-833
[9-9] 9600000

FIGURE E-2D
1,2,4-TRICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,2,4-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 38,000 or Less (No Exceedance)
- > 38,000 (Residential RGO, HI = 0.5)
- > 78,000 (MDE residential soil cleanup standard)
- > 175,000 (Typical Industrial Worker RGO, HI = 0.5)
- > 400,000 (Commercial Receptor RGO, HI = 0.5)
- > 1,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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FIGURE E-2B

PCBs IN SUBSURFACE SOIL
BLOCK E

Legend

PCB Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 320 or Less (No Exceedance)
- > 320 (MDE residential soil cleanup standard, 1x10 $^{-6}$)
- > 1,000 (Residential RGO, HI = 1/TSCA High Occupancy (without further conditions))
- > 1,400 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3,100 (Commercial Receptor RGO, HI = 1)
- > 3,300 (Construction Worker RGO, HI =1)
- > 10,000 (Industrial RGO, HI = 1/TSCA High Occupancy (with appropriate cap and deed restrictions))

- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/07/11

CREATED BY: T. WHEATON

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SB-514
[4-6] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[8-10] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 5.9 U [D]
1,2,4-TCB 5.9 U [D]
1,4-DCB 5.9 U [D]

SB-001
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-001A

SB-833B
[4-4] 1,2,3-TCB 0.28 U
1,2,4-TCB 0.69 B
1,4-DCB 0.48 U
[6-6] 1,2,3-TCB 2.2 J
1,2,4-TCB 12
1,4-DCB 0.57 U
[8-8] 1,2,3-TCB 2.1 J
1,2,4-TCB 11
1,4-DCB 0.52 U
[10-10] 1,2,3-TCB 0.34 U
1,2,4-TCB 1.4 B
1,4-DCB 0.6 U

SB-518
[4-6] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[8-10] 1,2,3-TCB 6.5 U
1,2,4-TCB 6.5 U
1,4-DCB 6.5 U

SB-833I
[8-8] 1,2,3-TCB 21000 J
1,2,4-TCB 110000
1,4-DCB 2900 J
[10-10] 1,2,3-TCB 11000 J
1,2,4-TCB 66000
1,4-DCB 2300 J

SB-833C
[4-4] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.66 B
1,4-DCB 0.57 U
[6-6] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.94 B
1,4-DCB 0.57 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.79 B
1,4-DCB 0.62 U
[10-10] 1,2,3-TCB 0.29 U
1,2,4-TCB 0.49 B
1,4-DCB 0.51 U

SB-833N
[4-4] 1,2,3-TCB 0.32 U
1,2,4-TCB 0.23 U
1,4-DCB 0.56 U
[6-6] 1,2,3-TCB 0.35 U
1,2,4-TCB 0.25 U
1,4-DCB 0.62 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.51 B
1,4-DCB 0.63 U
[10-10] 1,2,3-TCB 1.4 B
1,2,4-TCB 5.9 J
1,4-DCB 0.61 U

SB-833A
[6-6] 1,2,3-TCB 18000
1,2,4-TCB 140000
1,4-DCB 17000
[10-10] 1,2,3-TCB 140000
1,2,4-TCB 830000
1,4-DCB 28000 J

SB-507
[4-6] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-833
[9-9] 1,2,3-TCB 2200000
1,2,4-TCB 9600000
1,4-DCB 130000 J

SB-515
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U

SB-833M
[4-4] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.98 B
1,4-DCB 0.62 U
[6-6] 1,2,3-TCB 5.4
1,2,4-TCB 25
1,4-DCB 0.51 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.68 B
1,4-DCB 0.62 U
[10-10] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.68 B
1,4-DCB 0.57 U

SB-004
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-004A

SB-833J
[4-4] 1,2,3-TCB 0.35 U
1,2,4-TCB 1.1 B
1,4-DCB 0.61 U
[6-6] 1,2,3-TCB 0.31 U
1,2,4-TCB 1.1 B
1,4-DCB 0.54 U
[8-8] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.46 B
1,4-DCB 0.55 U
[10-10] 1,2,3-TCB 89 J
1,2,4-TCB 520
1,4-DCB 20 J

SB-519
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-833H
[6-6] 1,2,3-TCB 5.9
1,2,4-TCB 38
1,4-DCB 30
[8-8] 1,2,3-TCB 180 J
1,2,4-TCB 970
1,4-DCB 140 J
[10-10] 1,2,3-TCB 19 J
1,2,4-TCB 96
1,4-DCB 9.9

SB-516

SB-833D
[4-4] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.57 B
1,4-DCB 0.55 U
[6-6] 1,2,3-TCB 0.6 J
1,2,4-TCB 2.7 B
1,4-DCB 0.63 U
[8-8] 1,2,3-TCB 65
1,2,4-TCB 110 J
1,4-DCB 14
[10-10] 1,2,3-TCB 11 B
1,2,4-TCB 52 B
1,4-DCB 8.2 J

SB-833G
[6-6] 1,2,3-TCB 2 J
1,2,4-TCB 7.5
1,4-DCB 1.6 J
[8-8] 1,2,3-TCB 4.1 J
1,2,4-TCB 21
1,4-DCB 38
[10-10] 1,2,3-TCB 0.32 U
1,2,4-TCB 0.67 B
1,4-DCB 18

SB-517
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U

SB-520
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-833F
[4-4] 1,2,3-TCB 340 J
1,2,4-TCB 1500
1,4-DCB 89 J
[6-6] 1,2,3-TCB 380 J
1,2,4-TCB 1800
1,4-DCB 110 J
[8-8] 1,2,3-TCB 320 J
1,2,4-TCB 1500
1,4-DCB 93 J
[10-10] 1,2,3-TCB 150 J
1,2,4-TCB 720
1,4-DCB 58 J

SB-833E
[6-6] 1,2,3-TCB 52000 J
1,2,4-TCB 260000
1,4-DCB 2700 J
[10-10] 1,2,3-TCB 910 J
1,2,4-TCB 4700
1,4-DCB 140 J

SB-833K
[6-6] 1,2,3-TCB 22000 J
1,2,4-TCB 120000 J
1,4-DCB 1500 J
[8-8] 1,2,3-TCB 370 J
1,2,4-TCB 1700 J
1,4-DCB 98 J
[10-10] 1,2,3-TCB 5800
1,2,4-TCB 28000
1,4-DCB 250 J

SB-833L
[4-4] 1,2,3-TCB 420 J
1,2,4-TCB 1900
1,4-DCB 67 J
[6-6] 1,2,3-TCB 230 J
1,2,4-TCB 1000
1,4-DCB 27 J
[8-8] 1,2,3-TCB 77000 J
1,2,4-TCB 410000 J
1,4-DCB 4300 J

SB-003
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-003A

SB-512
[4-6] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 6.3 U
1,4-DCB 6.3 U
[8-10] 1,2,3-TCB 6.3 U [D]
1,2,4-TCB 6.3 U [D]
1,4-DCB 6.3 U [D]

SB-002
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-002A

SB-511
[4-6] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 6.3 U
1,4-DCB 6.3 U

SB-513
[4-6] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-005
[5-5] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-005A

SB-035
[4-4] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-036
[5-5] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-502
[4-6] 1,2,3-TCB 21
1,2,4-TCB 71
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 710
1,2,4-TCB 3700
1,4-DCB 290 U

SB-503
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[10-12] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U

SB-504
[4-6] 1,2,3-TCB 5.7 U
1,2,4-TCB 0.95 B
1,4-DCB 5.7 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 0.63 B
1,4-DCB 5.8 U

SB-501
[4-6] 1,2,3-TCB 2100
1,2,4-TCB 4800
1,4-DCB 17 J
[8-10] 1,2,3-TCB 14000
1,2,4-TCB 69000
1,4-DCB 640 J

SB-505
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 0.45 B
1,4-DCB 6.3 U

SB-506
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 6.4 U
1,2,4-TCB 6.4 U
1,4-DCB 6.4 U

SB-006
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-006A

SB-508
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[4-6] 1,2,3-TCB 5.9 U [D]
1,2,4-TCB 5.9 U [D]
1,4-DCB 5.9 U [D]
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-510
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U [D]
1,2,4-TCB 5.8 U [D]
1,4-DCB 5.8 U [D]

SB-509
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U

SB-500
[4-6] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

FIGURE E-2F

SELECT VOCs IN SUBSURFACE SOIL BLOCK E

Legend

Select VOC Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- Location with Detected VOC Concentration
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

25 0 50 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

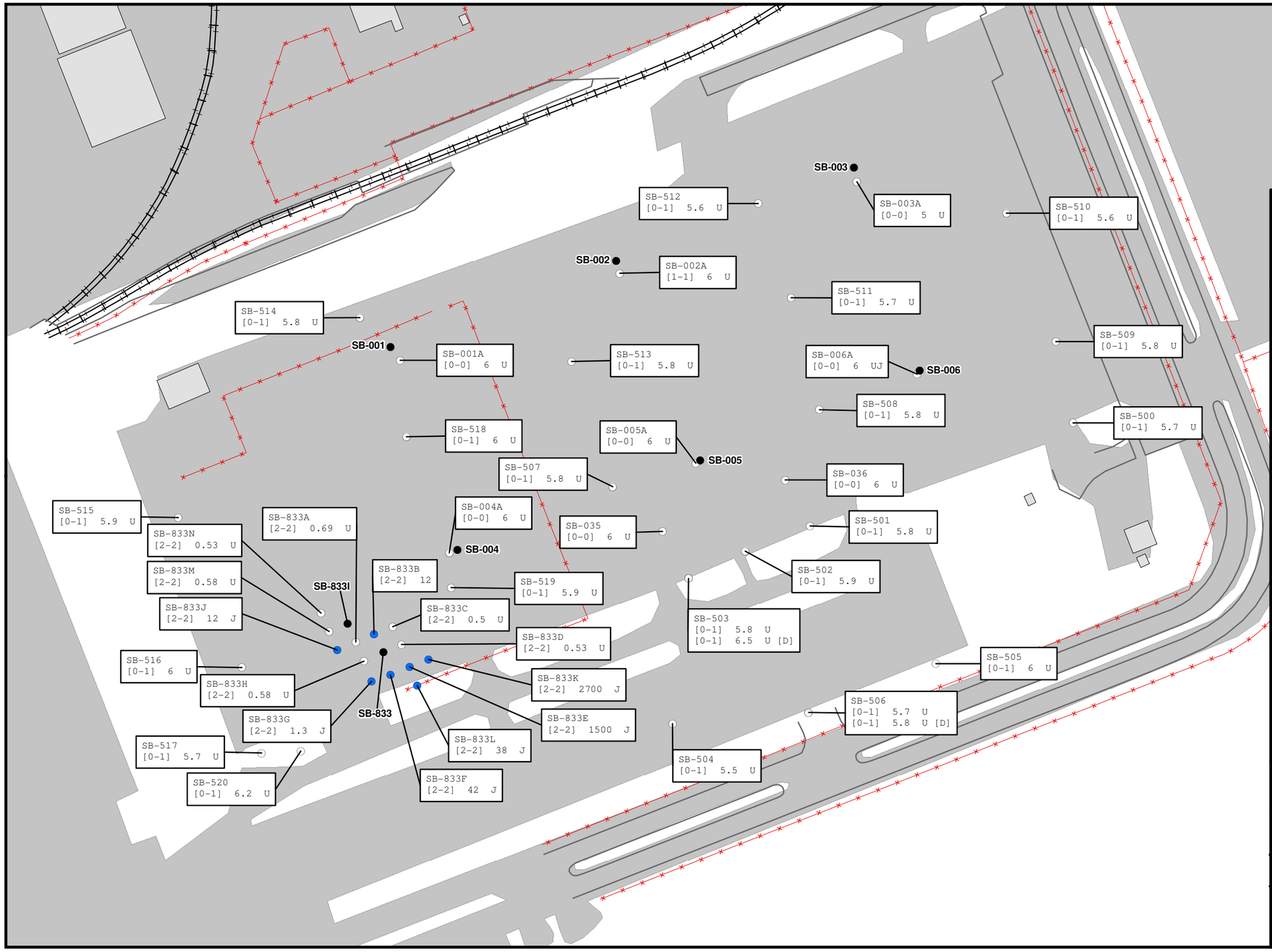

FIGURE E-1E
1,4-DICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,4-Dichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 27,000 or Less (No Exceedance)
- > 27,000 (MDE residential soil cleanup standard)
- > 31,000 (Residential RGO, 1x10 $^{-5}$)
- > 120,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED: 03/08/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

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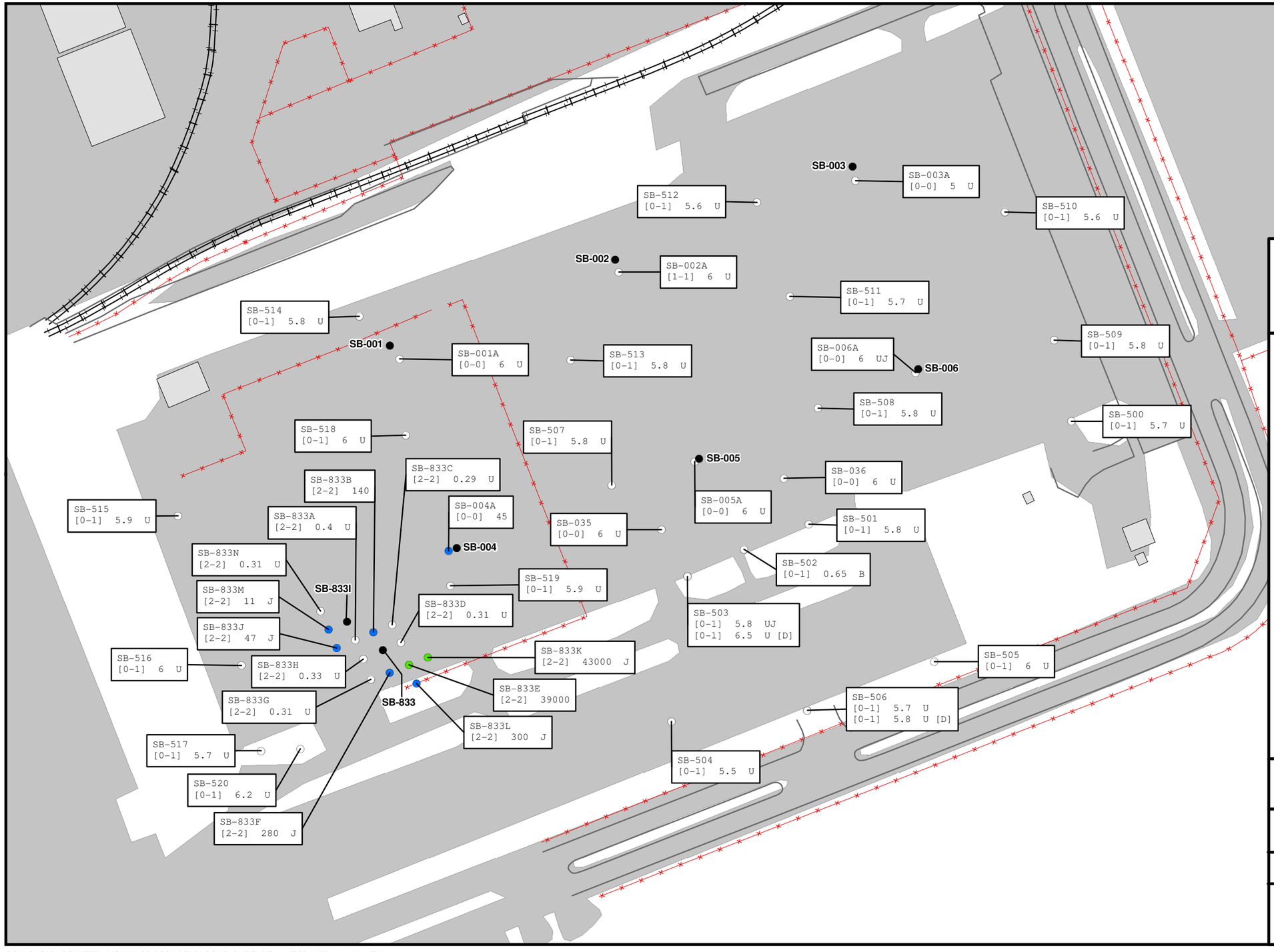

FIGURE E-1C
1,2,3-TRICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,2,3-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 29,000 or Less (No Exceedance)
- > 29,000 (Residential RGO, HI=0.5)
- > 58,000 (Residential RGO, HI=1)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/07/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SURFACE_123TCB.MXD 03/07/11 TW

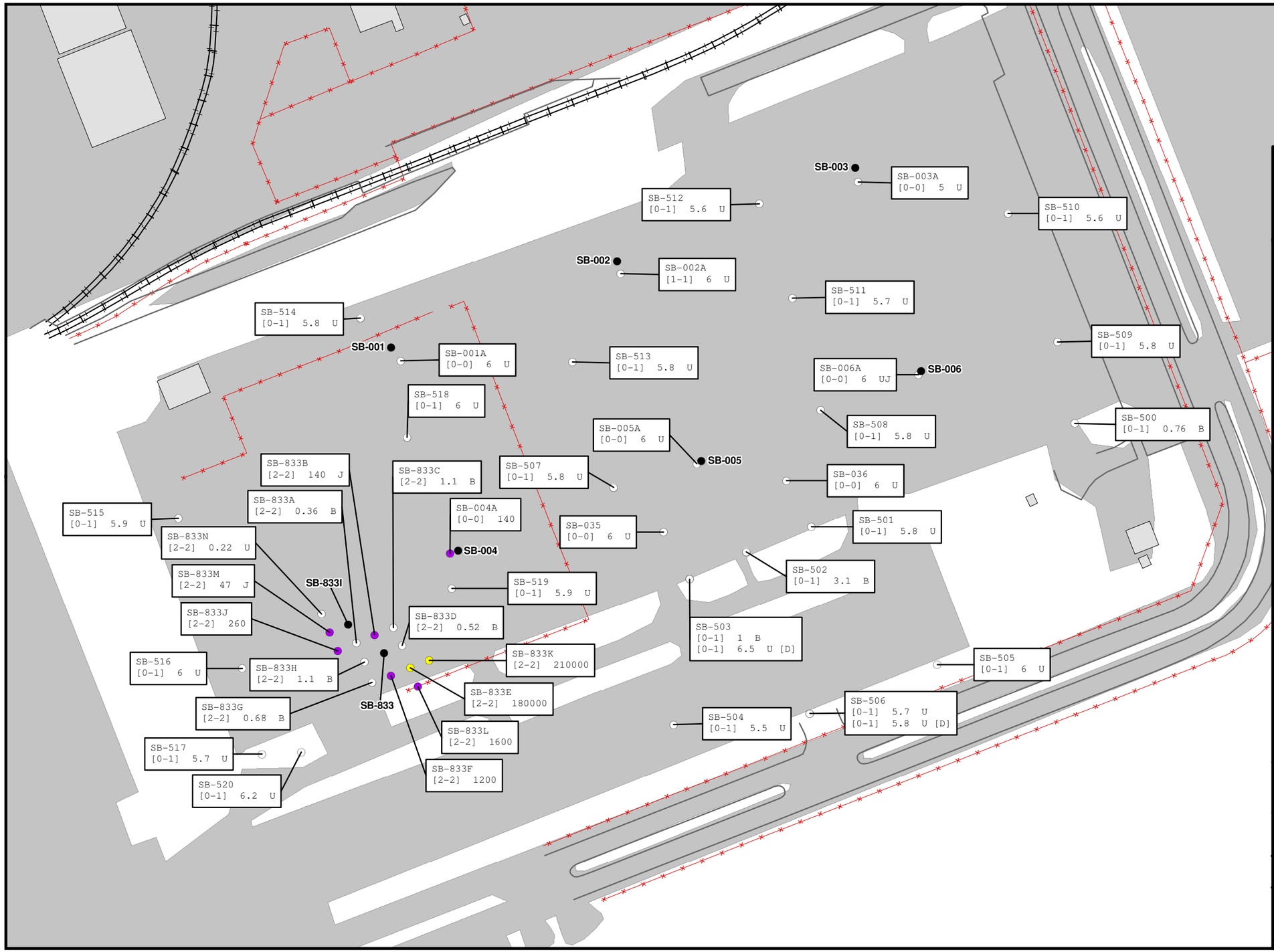

FIGURE E-1D
1,2,4-TRICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,2,4-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 38,000 or Less (No Exceedance)
- > 38,000 (Residential RGO, HI = 0.5)
- > 78,000 (MDE residential soil cleanup standard)
- > 175,000 (Typical Industrial Worker RGO, HI = 0.5)
- > 400,000 (Commercial Receptor RGO, HI = 0.5)
- > 1,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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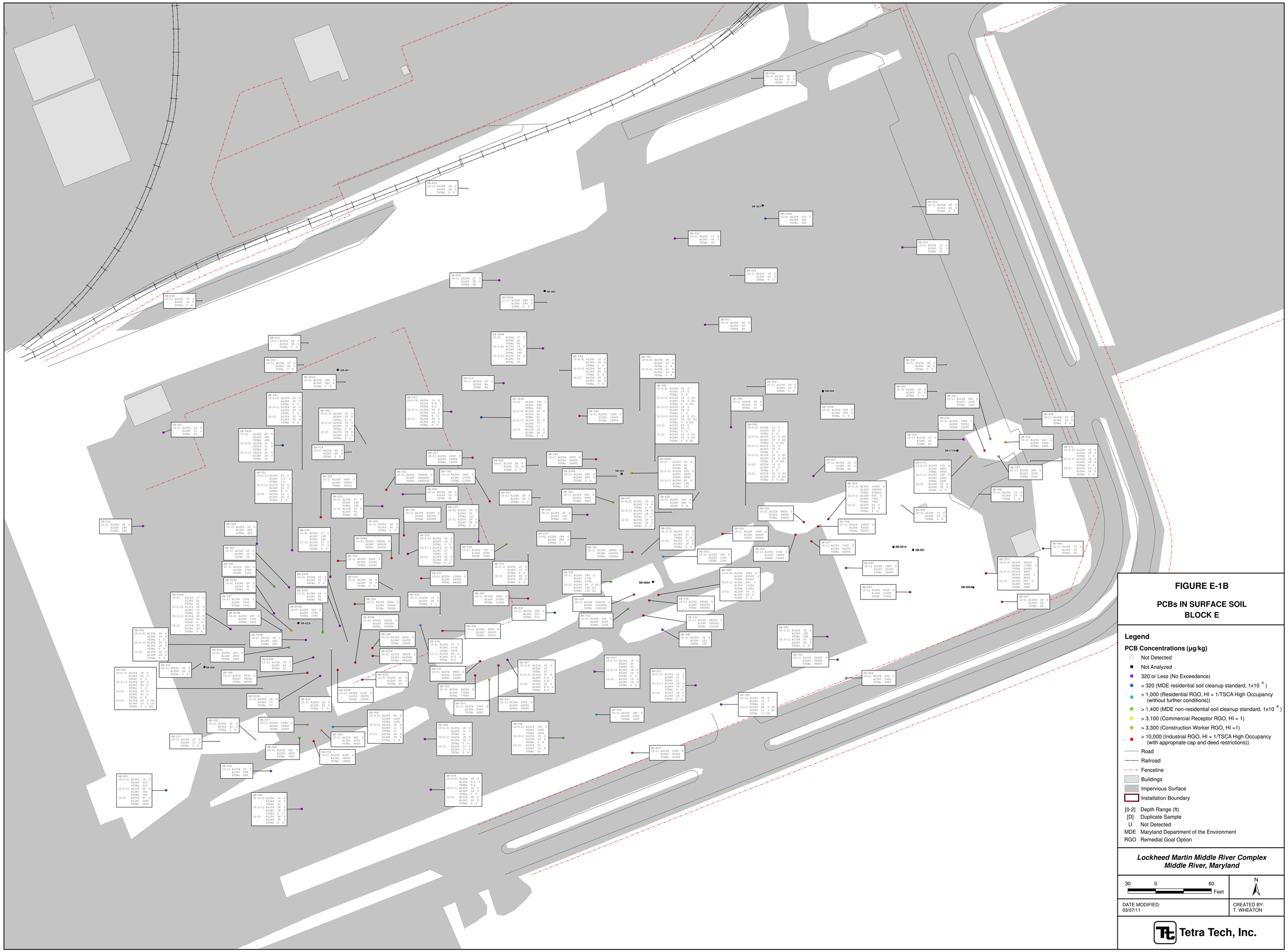
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SB-003
SB-003A
[0-0] 1,2,3-TCB 5 U
1,2,4-TCB 5 U
1,4-DCB 5 U
SB-512
[0-1] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
SB-510
[0-1] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
SB-002
SB-002A
[1-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-511
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
SB-514
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-001
SB-001A
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-513
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-509
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-006A
[0-0] 1,2,3-TCB 6 UJ
1,2,4-TCB 6 UJ
1,4-DCB 6 UJ
SB-006
SB-508
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-500
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 0.76 B
1,4-DCB 5.7 U
SB-518
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-005A
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-005
SB-036
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-507
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-833N
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.22 U
1,4-DCB 0.53 U
SB-004A
[0-0] 1,2,3-TCB 45
1,2,4-TCB 140
1,4-DCB 6 U
SB-035
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-501
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-515
[0-1] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
SB-833M
[2-2] 1,2,3-TCB 11 J
1,2,4-TCB 47 J
1,4-DCB 0.58 U
SB-833A
[2-2] 1,2,3-TCB 0.4 U
1,2,4-TCB 0.36 B
1,4-DCB 0.69 U
SB-833B
[2-2] 1,2,3-TCB 140
1,2,4-TCB 140 J
1,4-DCB 12
SB-004
SB-833C
[2-2] 1,2,3-TCB 0.29 U
1,2,4-TCB 1.1 B
1,4-DCB 0.5 U
SB-502
[0-1] 1,2,3-TCB 0.65 B
1,2,4-TCB 3.1 B
1,4-DCB 5.9 U
SB-833H
[2-2] 1,2,3-TCB 0.33 U
1,2,4-TCB 1.1 B
1,4-DCB 0.58 U
SB-519
[0-1] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
SB-833J
[2-2] 1,2,3-TCB 47 J
1,2,4-TCB 260
1,4-DCB 12 J
SB-833D
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.52 B
1,4-DCB 0.53 U
SB-503
[0-1] 1,2,3-TCB 5.8 UJ
1,2,4-TCB 1 B
1,4-DCB 5.8 U
[0-1] 1,2,3-TCB 6.5 U [D]
1,2,4-TCB 6.5 U [D]
1,4-DCB 6.5 U [D]
SB-505
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-833I
SB-833F
[2-2] 1,2,3-TCB 280 J
1,2,4-TCB 1200
1,4-DCB 42 J
SB-833
SB-833K
[2-2] 1,2,3-TCB 43000 J
1,2,4-TCB 210000
1,4-DCB 2700 J
SB-516
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-833G
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.68 B
1,4-DCB 1.3 J
SB-504
[0-1] 1,2,3-TCB 5.5 U
1,2,4-TCB 5.5 U
1,4-DCB 5.5 U
SB-506
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
[0-1] 1,2,3-TCB 5.8 U [D]
1,2,4-TCB 5.8 U [D]
1,4-DCB 5.8 U [D]
SB-833E
[2-2] 1,2,3-TCB 39000
1,2,4-TCB 180000
1,4-DCB 1500 J
SB-517
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
SB-520
[0-1] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U
SB-833L
[2-2] 1,2,3-TCB 300 J
1,2,4-TCB 1600
1,4-DCB 38 J

FIGURE E-1F

SELECT VOCs IN SURFACE SOIL BLOCK E

Legend

Select VOC Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- Location with Detected VOC Concentration
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

25 0 50 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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SB-056
[5-5] OV 6 U
[5-5] PAH 380 U
[10-10] OV 6 U
[10-10] PAH 390 U
[15-15] OV 6 U
[15-15] PAH 400 U

SB-055
[5-5] OV 6 U
[5-5] PAH 410 U
[10-10] OV 6 U
[10-10] PAH 420 U

SB-030
[5-5] OV 6 U
[5-5] PAH 380 U

SB-022
[5-5] OV 6 U
[5-5] PAH 400 U
[10-10] OV 6 U
[10-10] PAH 390 U

SB-023
[5-5] OV 6 U
[5-5] PAH 390 U
[10-10] OV 6 U
[10-10] PAH 390 U

SB-296
[4-5] OV 6 UJ
[4-5] PAH 410 U
[9-10] OV 6 U
[9-10] PAH 390 U

SB-295
[4-5] OV 6 UJ
[4-5] PAH 400 U
[9-10] OV 6 U
[9-10] PAH 390 U

SB-026
[10-10] OV 7 U

SB-028
[10-10] OV 6 U

SB-027
[10-10] OV 7 U

SB-297
[4-5] OV 6 U
[4-5] PAH 380 U
[9-10] OV 6 U
[9-10] PAH 390 U

SB-029
[10-10] OV 7 U

SB-238
[5-5] OV 159000
[5-5] PAH 31000

SB-024
[5-5] OV 6 U
[5-5] PAH 390 U
[10-10] OV 6 U
[10-10] PAH 400 U

SB-298
[4-5] OV 6 U
[4-5] PAH 390 U
[9-10] OV 6 U
[9-10] PAH 400 U

SB-094
[5-5] OV 6 U
[5-5] PAH 400 U
[10-10] OV 6 U
[10-10] PAH 58 J
[15-15] OV 6 U
[15-15] PAH 400 U

SB-797
[3-3] PAH 3.7 U
[5-5] PAH 4 U

SB-267

SB-798
[3-3] PAH 3.8 U
[3-3] PAH 3.5 U [D]
[5-5] PAH 3.6 U

SB-265

SB-266

SB-096
[5-5] OV 6 U
[5-5] PAH 390 U
[10-10] OV 6 U
[10-10] PAH 400 U
[15-15] OV 6 U
[15-15] PAH 410 U

SB-270

SB-269

SB-025
[5-5] OV 6 U
[5-5] PAH 390 U
[10-10] OV 6 U
[10-10] PAH 400 U

SB-799
[3-3] PAH 3.6 U
[5-5] PAH 3.7 U

SB-093
[5-5] OV 6 U
[5-5] PAH 400 U
[10-10] OV 6 U
[10-10] PAH 390 U
[15-15] OV 6 U
[15-15] PAH 400 U

SB-095
[5-5] OV 6 U
[5-5] PAH 400 U
[10-10] OV 6 U
[10-10] PAH 390 U

SB-299
[4-5] OV 6 UJ
[4-5] PAH 380 U
[9-10] OV 6 U
[9-10] PAH 390 U

FIGURE F-2B

NAPHTHALENE IN SUBSURFACE SOIL
BLOCK F

Legend

Naphthalene Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 46,000 or Less (No Exceedance)
- > 46,000 (Residential RGO, 1x10 $^{-5}$)
- > 160,000 (MDE residential soil cleanup standard)
- > 2,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/09/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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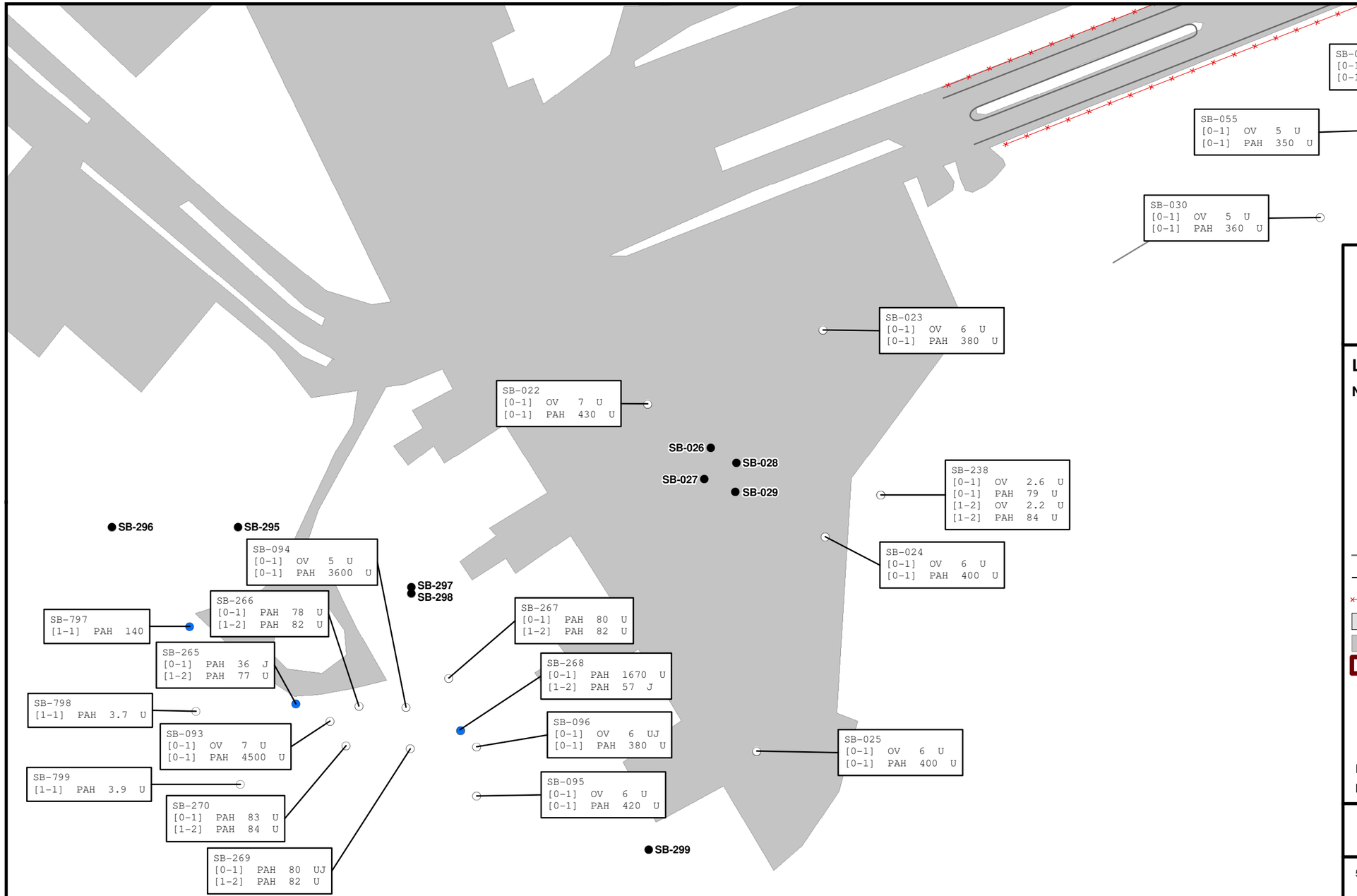

FIGURE F-1B

NAPHTHALENE IN SURFACE SOIL
BLOCK F

Legend

Naphthalene Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 46,000 or Less (No Exceedance)
- > 46,000 (Residential RGO, 1x10 $^{-5}$)
- > 160,000 (MDE residential soil cleanup standard)
- > 2,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/09/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SURFACE_NAPHTHALENE.MXD 03/09/11 TW